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\* = DENOTES SHEETS WHICH MAY CONTAIN FIELDWORK

NOTE: NOT ALL SHEETS LISTED ABOVE ARE INCLUDED IN "CUSTOMER" SET

DESIGN PARAMETERS

ROOF LIVE LOAD: = 136 PSF  
FLOOR LIVE LOAD: = 252 PSF  
GROUND SNOW LOAD: = 105 PSF  
WIND SPEED: 120 MPH/EXPOSURE D  
SEISMIC ZONE FOR SBC, UBC, & OBBC: 4  
SEISMIC DESIGN CATAGORY FOR IBC: D  
CONCRETE f'c: 5000 PSI AT 28 DAYS  
CONCRETE UNIT WEIGHT: 110 PCF  
FIRE RATING: 2 HOUR  
MODEL MAY BE MIRROR IMAGE  
SEE SHEET 0-1 FOR CODE SUMMARY

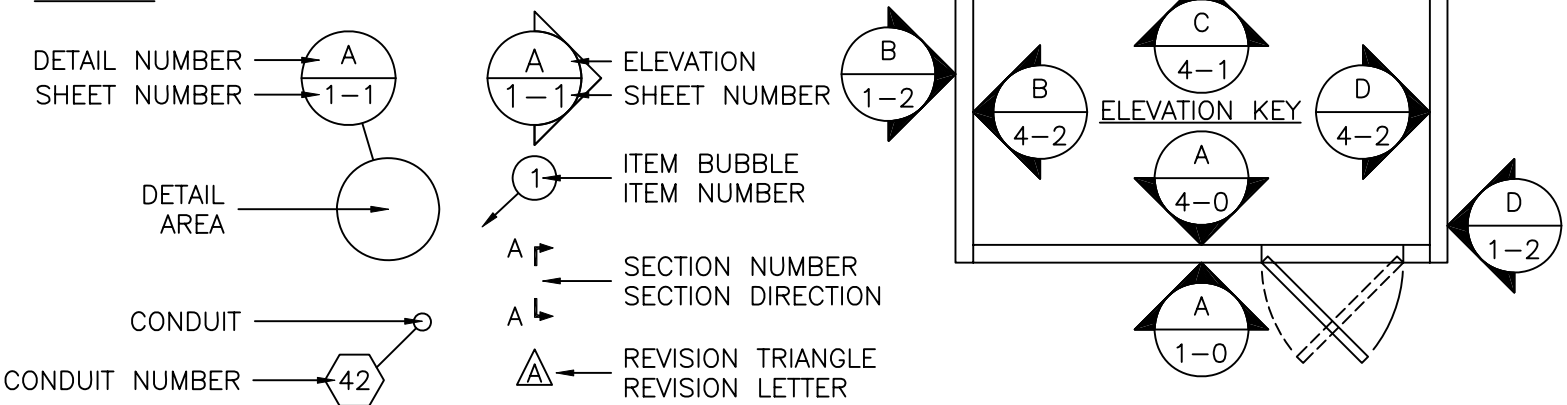
PHYSICAL PROPERTIES

SHELTER DIMENSIONS: 10'-0"w X 16'-0"l X 10'-3 1/2"h  
SHIPPING DIMENSIONS: 10'-8"w X 16'-8"l X 10'-3 1/2"h  
INTERIOR DIMENSIONS: 8'-11 1/4"w X 14'-11 1/4"l X 9'-1 7/8"h  
SHELTER WEIGHT (AS SHIPPED): 33,000 #

ABBREVIATIONS

A	AMPS	MISC	MISCELLANEOUS
⊙	AT	NEC	NATIONAL ELECTRIC CODE
BLK	BLACK	NEG	NEGATIVE
BLU	BLUE	NEMA	NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION
BRN	BROWN	NOM	NOMINAL
BLDG	BUILDING	NO	NOMINALLY OPEN
BOCA	BUILDING OFFICIALS CODE ADMINISTRATION	NC	NOMINALLY CLOSED
CL	CENTERLINE	NTS	NOT TO SCALE
C/C	CENTER TO CENTER	OR	ORANGE
CKT	CIRCUIT	OD	OUTSIDE DIAMETER/OUTSIDE DIMENSION
CONC	CONCRETE	OSB	ORIENTED STRAND BOARD
CU YD	CUBIC YARD	P	POLE
DIA/∅	DIAMETER	POS	POSITIVE
DIM	DIMENSION	LB	POUND (S)
DP	DOUBLE POLE	PSF	POUNDS PER SQUARE FOOT
DPDT	DOUBLE POLE DOUBLE THROW	PSI	POUNDS PER SQUARE INCH
DPST	DOUBLE POLE SINGLE THROW	QTY	QUANTITY
DT	DOUBLE THROW	RECPT	RECEPTACLE
DWG	DRAWING	RECT	RECTIFIER
EA	EACH	REBAR	REINFORCING STEEL BAR
ELEC	ELECTRIC/ELECTRICAL	REQ'D.	REQUIRED
EMT	ELECTRICAL METALLIC TUBING	REV	REVISION
ENT	ELECTRICAL NON-METALLIC TUBING	R	RIGHT
ELEV	ELEVATION	RH	RIGHT HAND
EQUIP	EQUIPMENT	SHT	SHEET
EXT	EXTERIOR	1∅	SINGLE PHASE
FMLC	FLEXIBLE METALLIC LIQUID TIGHT CONDUIT	SPDT	SINGLE POLE DOUBLE THROW
FNLC	FLEXIBLE NON-METALLIC LIQUID TIGHT CONDUIT	SPST	SINGLE POLE SINGLE THROW
FND	FOUNDATION	SW	SINGLE POLE SWITCH
FRP	FIBERGLASS REINFORCED POLYESTER	SQ FT	SQUARE FEET
GALV	GALVANIZED	SQ IN	SQUARE INCH
GEN	GENERATOR	STD	STANDARD
GRN	GREEN	SBC	STANDARD BUILDING CODE
GND	GROUND	SW	SWITCH
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TEMP	TEMPERATURE
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	TSTAT	THERMOSTAT
HOR	HORIZONTAL	3∅	THREE PHASE
IN	INCH	3P	THREE POLE
ID	INSIDE DIAMETER/INSIDE DIMENSION	3W	THREE WIRE
INSUL	INSULATION	TYP	TYPICAL
INT	INTERIOR	UL	UNDERWRITERS LABORATORIES INC.
IMC	INTERNATIONAL MECHANICAL CODE	UBC	UNIFORM BUILDING CODE
IPC	INTERNATIONAL PLUMBING CODE	UMC	UNIFORM MECHANICAL CODE
IG	ISOLATED GROUND	VENT	VENTILATION
JB	JUNCTION BOX	V	VOLT
KW	KILOWATT	W	WATTS
KO	KNOCKOUT	WP	WEATHER PROOF
L	LEFT	WLD	WELDED
LH	LEFT HAND	WWF	WELDED WIRE FABRIC
LTG	LIGHT/LIGHTNING	WHT	WHITE
LL	LIVE LOAD	W/	WITH
LV	LOW VOLTAGE	W/O	WITHOUT
MFG	MANUFACTURER	YEL	YELLOW

SYMBOLS



S	MRC	4/19/02	UPDATED SHEET TO NEW DRAWING STANDARDWS	VGH	4/19/02
R	MRC	7/3/01	UPDATED SHEET	VGH	7/3/01
P	CTF	12/26/00	ADDED SHEET 6-2	VGH	12/26/00
M	CTF	11/07/00	UPDATED SYMBOLS	VGH	11/07/00
J	MRC	6/23/00	ADDED NOTES TO 5-0 6-0 7-1	MRC	6/23/00
F	SM	3/6/00	UPDATED PRODUCTION	VGH	3/6/00
E	SM	3/4/00	UPDATED COVER SHEET, ADDED CODE SUMMARY	VGH	3/4/00
B	VGH	12/29/99	CHANGES MADE PER REVIEW OF PROTOTYPE BY CUSTOMER	VGH	12/29/99
REV	BY	DATE	DESCRIPTION	APP.BY	DATE

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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
COVER SHEET

FILENAME:

TTL20\TTL200-0

SCALE: N.T.S. TOLERANCE:

DRWN. BY: V. HASSELL DATE: 11/10/99

CHK. BY: V. HASSELL DATE: 11/10/99

ENG. BY: K. BARNETT DATE: 11/10/99

APP. BY: M. MAYFIELD DATE: 11/10/99

SHEET NO.

0-0

DRAWING NO.:

STTL20

T

STATE	CODE SUMMARY	USE GROUP	CONST. TYPE
ALABAMA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2003 INTERNATIONAL ENERGY CONSERVATION CODE 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
ALASKA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
ARIZONA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
ARKANSAS	1997 STANDARD BUILDING CODE 1997 STANDARD MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	VI-UNP
CALIFORNIA	1997 UNIFORM BUILDING CODE 1997 UNIFORM MECHANICAL CODE 1996 NATIONAL ELECTRICAL CODE CALIFORNIA TITLE 25	S-2	V-N
COLORADO	2003 INTERNATIONAL BUILDING CODE W/ MOD. 2003 INTERNATIONAL MECHANICAL CODE 2003 INTERNATIONAL ENERGY CONSERVATION CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
CONNECTICUT	1996 BOCA NATIONAL BUILDING CODE 1996 CT BASIC BUILDING CODE SUPPLEMENT 1996 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	B	5B
DELAWARE	1996 BOCA NATIONAL BUILDING CODE 1996 BOCA MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	B	5B
DISTRICT OF COLUMBIA	1996 BOCA NATIONAL BUILDING CODE 1996 INTERNATIONAL MECHANICAL CODE 1996 NATIONAL ELECTRICAL CODE	B	5B
FLORIDA	2004 FLORIDA BUILDING CODE W/ 2005 SUPPL. 2002 NATIONAL ELECTRICAL CODE	B	V-B
GEORGIA	2000 I.B.C. WITH 2002/03/04/05 GA AMENDS. 2000 I.M.C. WITH 2002/03/04/05 GA AMENDS. 2000 I.E.C.C. WITH GA AMENDMENTS 2005 NATIONAL ELECTRICAL CODE	S-2	VI-UNP
IDAHO	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
ILLINOIS	1996 BOCA NATIONAL BUILDING CODE 1996 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	B	5B
INDIANA	2000 INTERNATIONAL BUILDING CODE W/ AMEND. 2000 INTERNATIONAL MECH. CODE W/ AMEND. 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
IOWA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2005 NATIONAL ELECTRICAL CODE 2004 INTERNATIONAL ENERGY CONS. CODE SUPPL.	S-2	V-N
KANSAS	1997 UNIFORM BUILDING CODE 1997 UNIFORM MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-N
KENTUCKY	2002 KENTUCKY BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	B	5B

NOTES

- THIS SHELTER NOT INTENDED FOR HUMAN HABITATION
- OCCUPANT LOAD = 0, OHIO = 2
- SPECIAL CONDITIONS: N/A
- PERMISSIBLE TYPES OF GASES: N/A
- SHELTER IS DESIGNED TO MEET HIGHER SNOW AND WIND LOADS. SHELTER HAS NO COUNTY PLACEMENT RESTRICTION IN THE STATE OF MARYLAND.
- STATE INSIGNIA LABEL/DECAL IS LOCATED NEAR MAIN ELECTRICAL SERVICE PANEL.
- DOOR MUST BE MINIMUM 90 MINUTE FIRE RATED IF USED IN 2 HOUR FIRE RATED SHELTER.
- ENERGY CODE EVALUATION BASE ON 2000 INTERNATIONAL ENERGY CONSERVATION CODE WITH 2001 SUPPLEMENT.
- NOT SUBJECT TO FLORIDA FIRE SAFETY CODE.
- SHELTER HAS BEEN DESIGNED IN ACCORDANCE WITH THE CITY OF CHICAGO MUNICIPAL CODE.
- ACCESS TO SHELTER SHALL COMPLY WITH MARYLAND ACCESSIBILITY CODE COMAR .05.02.02.07/ADAAG SECTION 4.1.2.
- ALL WELDS SHALL BE VERIFIED BY SPECIAL INSPECTION SHOWING CONFORMANCE TO THE DESIGN DRAWINGS AND SPECIFICATIONS.

STATE	CODE SUMMARY	USE GROUP	CONST. TYPE
LOUISIANA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-B
MAINE	1996 BOCA NATIONAL BUILDING CODE 1996 BOCA MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	B	5B
MARYLAND	2003 INTERNATIONAL BUILDING CODE W/ MOD. 2003 INTERNATIONAL MECHANICAL CODE 2003 INTERNATIONAL PLUMBING CODE 2002 NATIONAL ELECTRICAL CODE 2002 MARYLAND ACCESSIBILITY CODE 2000 NFPA 101 LIFE SAFETY CODE W/ AMD.	S-2	V-B
MASSACHUSETTS	6TH MA STANDARD BUILDING CODE 2005 MA ELECTRICAL CODE	S-2	V-B
MICHIGAN	2003 MICHIGAN BUILDING CODE 2003 MICHIGAN MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	U	V-B
MINNESOTA	2003 MN STATE BLDG CODE (2000 IBC W/AMEND.) 2003 MN STATE MECHANICAL CODE (CHAPTER 1346-2000 IMC & 2000 IFGC W/AMEND.) 2003 MN STATE PLUMBING CODE (CHAPTER 4715) 2000 MN ENERGY CODE (CHAPTER 7674, 7676, 7678) 1998 MN ACCESSIBILITY CODE (CHAPTER 1341) 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
MISSISSIPPI	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
MISSOURI	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-B
MONTANA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-B
NEBRASKA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
NEVADA	2003 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL BUILDING CODE 1997 UNIFORM BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2000 INTERNATIONAL MECHANICAL CODE 1997 UNIFORM MECHANICAL CODE 1996 NATIONAL ELECTRICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2 S-2 S-2	V-B V-B V-N
NEW HAMPSHIRE	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2005 NATIONAL ELECTRICAL CODE	B	5B
NEW JERSEY	2000 INTERNATIONAL BUILDING CODE AS AMENDED 2000 INTERNATIONAL MECH. CODE W/ NJ AMEND. 2002 NATIONAL ELECTRICAL CODE AS AMENDED 1995 CABO MODEL ENERGY CODE W/ NJ AMEND.	S-2	V-B
NEW MEXICO	2003 NEW MEXICO COMMERCIAL BUILDING CODE 2003 NEW MEXICO MECHANICAL CODE 2003 NEW MEXICO ELECTRICAL CODE	B	5B
NEW YORK	2002 BUILDING CODE OF NEW YORK STATE 2002 MECHANICAL CODE OF NEW YORK STATE 2002 ELECTRICAL CODE OF NEW YORK STATE	S-2	V-B
NORTH CAROLINA	2002 NORTH CAROLINA BUILDING CODE 2002 NORTH CAROLINA MECHANICAL CODE 2005 NORTH CAROLINA ELECTRICAL CODE	S-2	V-B

- BUILDING CATEGORY II (PER ASCE TABLE 1-1).
- APPLICABLE INTERNAL PRESSURE COEFFICIENT (NOT APPLICABLE) - THESE SHELTERS CONFORM TO THE REQUIREMENTS OF SECTION 1606.2 "SIMPLIFIED PROVISIONS FOR LOW RISE BUILDINGS
- WIND IMPORTANCE FACTOR - IW = 1.00
- THIS SHELTER IS AN "ENCLOSED STRUCTURE."
- EXTERIOR COMPONENTS AND CLADDING POSITIVE AND NEGATIVE PRESSURES IN TERMS OF PSF - SEE TABLE BELOW:  
ROOF ZONE 1: 18.9 -53.7 (100 SF EFFECTIVE WIND AREA)  
ROOF ZONE 2: 21.8 -88.5 (20 SF EFFECTIVE WIND AREA)  
ROOF ZONE 3: 23.2 -147.9 (10 SF EFFECTIVE WIND AREA)  
WALL ZONE 4: 49.3 -55.1 (200 SF EFFECTIVE WIND AREA)  
WALL ZONE 5: 55.1 -72.5 (30 SF EFFECTIVE WIND AREA)
- THESE PLANS ARE DESIGNED TO BE USED FOR THE CONSTRUCTION OF COMMERCIAL MODULAR UNITS, IN ACCORDANCE WITH CA HEALTH AND SAFETY CODE SECTION 18028, 1991 UBC, 1993 NEC, ANSI A117.1-1986.

STATE	CODE SUMMARY	USE GROUP	CONST. TYPE
NORTH DAKOTA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2003 INTERNATIONAL ENERGY CONSERVATION CODE 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
OHIO	2005 OHIO BUILDING CODE 2005 OHIO MECHANICAL CODE 2005 NATIONAL ELECTRICAL CODE	S-2	5B
OKLAHOMA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
OREGON	2003 INTERNATIONAL BLDG. CODE W/ AMEND. 2003 INTERNATIONAL MECH. CODE W/ AMEND. 2002 NATIONAL ELECTRICAL CODE 2004 OREGON STRUCTURAL SPECIALTY CODE	S-2	V-B
PENNSYLVANIA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2005 NATIONAL ELECTRICAL CODE	S-2	V-B
RHODE ISLAND	2003 IBC WITH RHODE ISLAND AMENDMENTS 2003 IMC WITH RHODE ISLAND AMENDMENTS 2003 IECC WITH RHODE ISLAND AMENDMENTS 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
SOUTH CAROLINA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
SOUTH DAKOTA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
TENNESSEE	2003 INTERNATIONAL BUILDING CODE (IBC) 2003 INTERNATIONAL MECHANICAL CODE (IMC) 2002 NATIONAL ELECTRICAL CODE (NEC) 2003 IECC	S-2	VI-UNP
TEXAS	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2003 IECC 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
UTAH	1997 UNIFORM BUILDING CODE 1998 INTERNATIONAL MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-N
VERMONT	1996 BOCA NATIONAL BUILDING CODE 1996 BOCA NATIONAL MECHANICAL CODE 1996 NATIONAL ELECTRICAL CODE	B	5B
VIRGINIA	2003 INTERNATIONAL BUILDING CODE 2003 INTERNATIONAL MECHANICAL CODE 2002 NATIONAL ELECTRICAL CODE	B	5B
WASHINGTON	2003 INTERNATIONAL BUILDING CODE W/ AMEND. 2003 INTERNATIONAL MECH. CODE W/ AMEND. 2002 NATIONAL ELECTRICAL CODE	B	5B
WEST VIRGINIA	2000 INTERNATIONAL BUILDING CODE 2000 INTERNATIONAL MECH. CODE 2002 NATIONAL ELECTRICAL CODE	S-2	V-B
WISCONSIN	2000 INTERNATIONAL BUILDING CODE W/ AMEND. 2000 INTERNATIONAL MECH. CODE W/ AMEND. 1999 NATIONAL ELECTRICAL CODE	S-2	V-B
WYOMING	1997 UNIFORM BUILDING CODE 1997 UNIFORM MECHANICAL CODE 1999 NATIONAL ELECTRICAL CODE	S-2	V-N

SEAL	I hereby certify that this engineering document was prepared by me or my direct supervision and that I am a duly licensed professional Engineer under the laws of the State of Iowa.
	signature date
	Printed or typed name
	My license renewal date is December 31, _____
	Pages or sheets covered by my seal: _____
	Date issued: _____

S	MRC	4/19/02	UPDATED DRAWING WITH X-REF	VGH	4/19/02
R	MRC	8/27/01	UPDATED TO NEW DRAWING STANDARD	VGH	8/27/01
P	CTF	2/22/01	UPDATED PER NEW DWG. STANDARDS	VGH	2/22/01
REV	BY	DATE	DESCRIPTION	APP.BY	DATE

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CUSTOMER:  
*TRITEL COMMUNICATIONS*

PROJECT:  
*10'-0" X 16'-0" EQUIPMENT SHELTER CODE SUMMARY*

FILENAME: <i>TTL20\TTL200-1</i>	
SCALE: <i>N.T.S.</i>	TOLERANCE:
DRWN. BY: <i>S. MARTIN</i>	DATE: <i>3/3/00</i>
CHK. BY: <i>V. HASSELL</i>	DATE: <i>3/3/00</i>
ENG. BY: <i>K. BARNETT</i>	DATE: <i>3/3/00</i>
APP. BY: <i>M. MAYFIELD</i>	DATE: <i>3/3/00</i>
SHEET NO. <i>0-1</i>	
DRAWING NO.: <i>STTL20</i>	<i>T</i>

ITEM LIST

NO.	QTY	U/M	PART NO.	DESCRIPTION
1	1	EA.	430250	COMBINATION PANEL, TVSS, LOADCENTER, TRANSFER SWITCH, 200A, NORTHERN TECH.
2	1	EA.	520122	HVAC #1, 2 TON, 2.5 KW, EUBANK WITH GRILLES & HARD START KIT
3	1	EA.	520123	HVAC #2, 2 TON, 7 KW, EUBANK WITH GRILLES
4	1	EA.	430242	GENERATOR RECEPTACLE, 200A, CROUSE HINDS, AR2041 S22
5	1	EA.	490000	MAGNETIC DOOR ALARM
6	1	EA.	470005	EXTERIOR LIGHT FIXTURE, 70HPS, WALL MOUNT, 30 MIN. TIMER
7	1	EA.	500009	DOOR, 3670, LH, 18 GA, HALLOW METAL WITH DOOR FRAME ASSEMBLY
8	5	EA.	170004	GROUND PENETRATIONS, 1 1/4" SCH 40 PVC CAST @ 45'
9	1	EA.	410181	SERVICE ENTRY, 2" X 9" GALVANIZED RIGID CONDUIT NIPPLE WITH 2" LB
10	1	EA.	504508	LOCK SET, ELECTRONIC, SARGENT, 72-KP10G-77 W/ BEST CORE
11	1	EA.	430033	GFCI RECEPTACLE, 20A WITH WP BOX
12	2	EA.	410182	PENETRATION RIGID NIPPLE, 3/4" X 8 1/2", GALVANIZED, CAPPED WEATHER TIGHT
13	5	EA.	430005	JUNCTION BOX, 4"X 4"
14	2	EA.	410182	JUNCTION BOX, 4" X 4" WITH 3/4" X 8 1/2" GALV. RIGID NIPPLE
15	2	EA.	410229	JUNCTION BOX, 4 11/16" X 4 11/16" WITH 1" X 8 1/2" GALV. RIGID NIPPLE
16	1	EA.	430084	SWITCH, 1P1T, 20A WITH 4" X 4" JB (INTERIOR LIGHTS)
17	1	EA.	430075	ALARM BLOCK, 66 TERMINAL, S66M150
18	1	EA.	460101	HIGH TEMPERATURE ALARM, DAYTON 2E206
19	1	EA.	460101	LOW TEMPERATURE ALARM, DAYTON 2E206
20	1	EA.	460104	LEAD/ LAG CONTROLLER, EUBANK, LLC
21	100	FT.	400050	HALO RING AND DROPS, #2 STRANDED GREEN COPPER
22	2	EA.	430034	QUAD RECEPTACLE, 20A WITH 4" X 4" JB
23	1	EA.	540127	GROUND BAR, 4" X 20" X 1/4", COPPER W/ 7/16"Ø HOLES
24	4	EA.	470057	INTERIOR LIGHT FIXTURE, 4', DUAL BULB FLUORESCENT, T8, W/BULB P/N 470058
25	1	EA.	490011	SMOKE DETECTOR, 120V, ION
26	40	FT.	510000	CABLE TRAY, 12", GOLD CHROMATE
27	2	EA.	510003	WALL SUPPORT ANGLE, 12" CABLE TRAY
28	10	EA.	510069	CABLE TRAY HANGER ASSMBLY, 12" CABLE TRAY
29	4	EA.	510014	CABLE LADDER WALL "S" CLAMP
30	VARIES	FT.	400030	JUMPERS, #6 STRANDED GROUND WIRE COPPER
31	3	EA.	410201	JUNCTION BOX, 4" X 4" WITH 1/2" X 8 1/2" GALV. RIGID CONDUIT NIPPLE THRU WALL
32	1	EA.	410201	1/2" X 8 1/2" GALVANIZED RIGID CONDUIT NIPPLE
33	1	EA.	350002	TELCO BOARD, 4'-0" X 4'-0"
34	2	EA.	430008	ENCLOSURE, 6" X 6" X4", NEMA 1
35	1	EA.	400536	RELAY, POWER FAIL, DPDT, 10A, 240V,
36	1	EA.	390014	FIRE EXTINGUISHER, 10 LB, ABC RATED
37	40	FT.	400099	HALO COILS, #2 BARE SOLID TINNED COPPER WIRE
38	18	EA.	400174	COMPRESSION "C" TAP, BURNDY
39	1	EA.	470018	TIMER, EXTERIOR LIGHT, 60 MIN., WITH 4" X 4" JB
40	2	EA.	410096	EMT CONNECTOR, 1/2", WITH PLASTIC BUSHING
41	1	EA.	530017	WAVEGUIDE ENTRY PORT, ROXTEC G8X1
42	1	EA.	530016	BLANK WAVEGUIDE PLATE, 8" X 16" X 1/8", PAINTED TO MATCH TRIM
43	2	EA.	410019	CONDULET, LB, 1"
44	6	FT	400032	#12 GREEN INSULATED STRANDED COPPER WIRE
45	1	EA.	430173	3/4" PIPE CAP
46	2	EA.	430172	1" PLUG
47	1	EA.	430053	2" PLUG
48	1	EA.	400009	1" X 12" GROUNDING STRAP
49	4	EA.	430029	JUNCTION BOX, 4 11/16" X 4 11/16"
50	1	EA.	430034	QUAD RECEPTACLE, 20A WITH 4" X 4" JB
51	1	EA.	410207	JUNCTION BOX 4" X 4" W/ 1/2" X 8" RIGID NIPPLE

S	MRC	4/19/02	UPDATED ITEMS 7, & 24 PART NO. AND ADDED # 50	VGH	4/19/02
R	MRC	8/28/01	REVISED PER MARKUP'S	VGH	8/28/01
M	CTF	11/07/00	CHG'D ITEMS DESCRIPTIONS 30, 48, & 49	VGH	11/07/00
L	CTF	10/18/00	CHG'D ITEMS DESCRIPTIONS 8, 10, & 23	VGH	10/18/00
J	MRC	6/23/00	CHG'D ITEMS DESCRIPTIONS 4 & 10	VGH	6/23/00
I	MRC	6/15/00	ADDED 45 46 47 & CHG'D 10	VGH	6/15/00
H	GE	4/10/00	CHG'D.: ITEM #44 WAS #16 SOLID WIRE; REMV'D. ITEM 5 & 30; ITEMS #41 AND #42 WERE QTY. OF 2 EA.		
E	SM	3/4/00	ADDED ITEM #44	VGH	3/4/00
B	VGH	12/28/99	CHANGES MADE PER PROTOTYPE REVIEW BY CUSTOMER	VGH	12/28/99
A	GE	12/28/99	CHG'D: ITEM 4 WAS HUBBELL BRAND; ITEM 12 WAS QTY. OF 4. ADDED: "30 MIN. TIMER" TO ITEM 6	VGH	12/28/99
REV	BY	DATE	DESCRIPTION	APP.BY	DATE

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CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER ITEM LIST**

FILENAME: TTL020\TTL200-2	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 0-2	
DRAWING NO.: STTL20	T

DOOR HARDWARE SCHEDULE

QTY	U/M	PART NO.	DESCRIPTION
3	EA.	504080	DOOR HINGES, SS
1	EA.	504100	CLOSER, SARGENT 1104, ALUM.
1	EA.	504113	HOLD OPEN, T-LATCH, 6" SS
1	EA.	504102	BUMPER, RUBBER STOP, BROWN
1	SET	504200	WEATHER STRIPPING, MAGNETIC
1	EA.	504201	SWEEP, WEATHER STRIPPING, 42"
1	EA.	504300	LOCKGUARD, 10", SS
1	SET	504401	THRESHOLD, 48", 2 PCS, ALUMIMUM
1	EA.	504503	PULL HANDLE, CHROME

FINISH SCHEDULE

EXTERIOR			
	WALLS		EXPOSED AGGREGATE
	ROOF		LATEX ROOF COATING
	METALS		PPG, URETEK PAINT, CUSTOM COLOR MATCH
INTERIOR			
	WALLS		
		INSULATION	1 1/2" R-MAX TSX8500
		WOOD	7/16" OSB SHEATHING
		EXPOSED	3/8" FRP
	CEILING		
		INSULATION	2" R-MAX TSX8500
		WOOD	7/16" OSB SHEATHING
		EXPOSED	3/8" FRP
	FLOOR		
		EXPOSED	.100 VINYL TILE, CONGOLEUM CX-14, COLOR "WHITE/LIGHT PEBBLE"

PACKING LIST

(ITEMS THAT ARE TO BE SHIIPPED INSIDE SHELTER)

QTY	U/M	PART NO.	DESCRIPTION
2	EA.	220206	LIFTING BRACKET, RH
2	EA.	220207	LIFTING BRACKET, LH
8	EA.	168044	BOLT, 1" X 2 1/2" HEX
8	EA.	168045	WASHER, 1" FLAT
4	EA.	693020	TIE DOWN ANGLE, 4" X 4" X 12"
4	EA.	693018	TIE DOWN PLATE, 12" X 12"
8	EA.	168056	CONCRETE ANCHOR, 3/4" X 4 1/2", COIL
8	EA.	490034	SHIM, 2" X 4" X 1/4", KOROLATH
VARIES	EA.	VARIES	LIGHT FIXTURE, EXTERIOR, (SIDE WALL MOUNTED)
VARIES	EA.	VARIES	ANY EXTERIOR SIDE MOUNT FIXTURE REMOVE FOR SHIPPING

BREAKER SCHEDULE

QTY	U/M	PART NO.	DESCRIPTION
1	EA.	400154	BREAKER, CH, 1P, 15A, BOLT ON, BAB1015
3	EA.	400172	BREAKER, CH, 1P, 20A, BOLT ON, BAB1020
10	EA.	400100	BREAKER, CH, 2P, 20A, BOLT ON, BAB2020
1	EA.	400590	BREAKER, CH, 2P, 40A, BOLT ON, BAB2040
1	EA.	400159	BREAKER, CH, 2P, 60A, BOLT ON, BAB2060
	EA.		
	EA.		
	EA.		
	EA.		

S	SM	4/18/02	ADDED SHEET TO SET AND CHG'D T-LATCH TO 6"	VGH	4/18/02
REV	BY	DATE	DESCRIPTION	APP.BY	DATE

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CUSTOMER:

TRITEL COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
ITEM LIST

FILENAME:

TTL020\TTL200-3

SCALE:

N.T.S.

TOLERANCE:

DRWN. BY:

M. CROW

DATE:

4/19/02

CHK. BY:

V. HASSELL

DATE:

4/19/02

ENG. BY:

K. BARNETT

DATE:

4/19/02

APP. BY:

M. MAYFIELD

DATE:

4/19/02

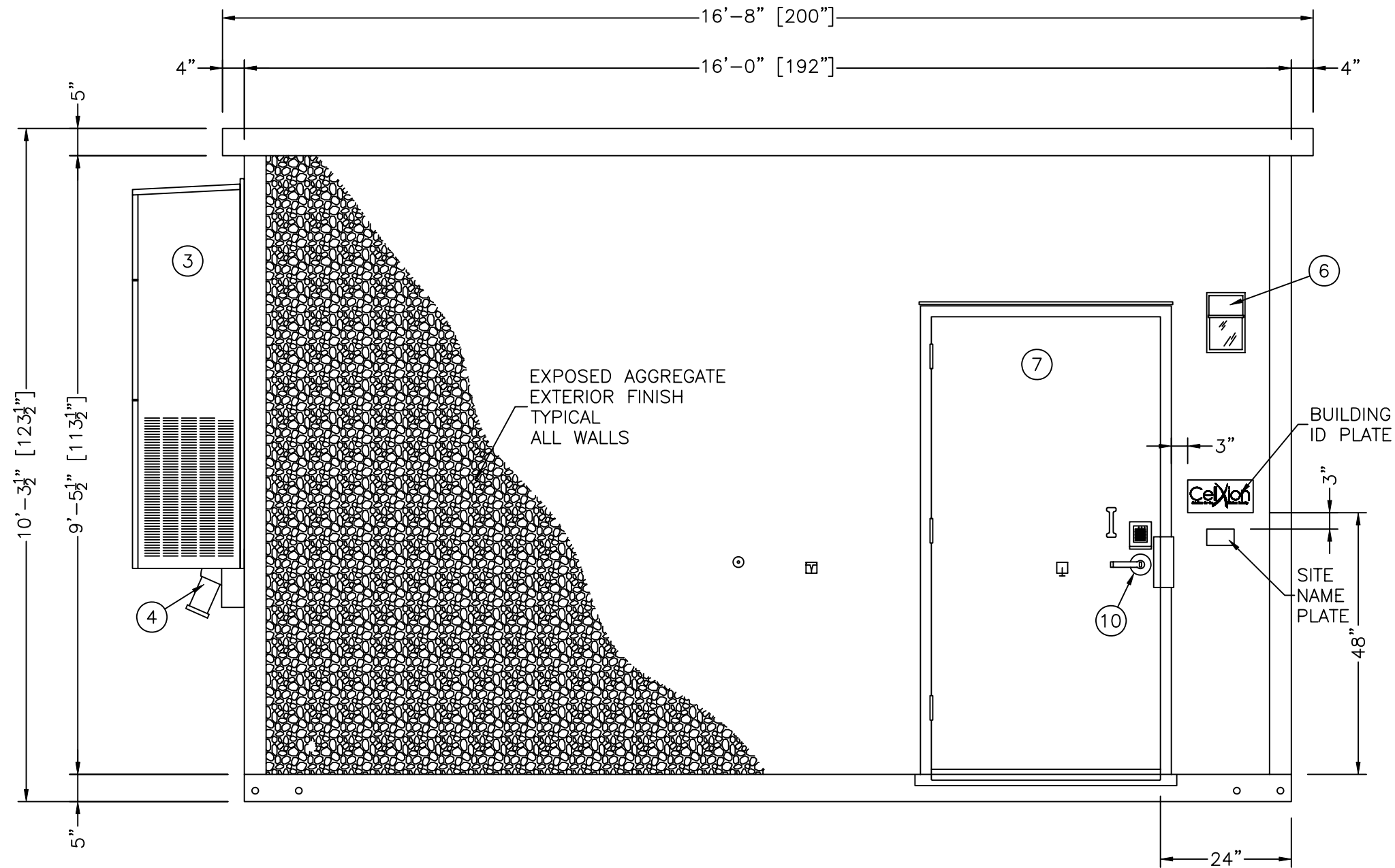
SHEET NO.

0-3

DRAWING NO.:

STTL20

T



EXTERIOR ELEVATION "A"

Q	CTF	3/7/01	CORRECTED TITLE BLOCK	VGH	3/7/01
I	MRC	6/14/00	REMOVED LOCK SET AND ADDED SARGENT	VGH	6/14/00
C	SM	2/1/00	ADDED SITE NAME PLATE	VGH	2/1/00
B	SM	1/06/00	REMOVED FLOATING ITEM NUMBER	VGH	1/06/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

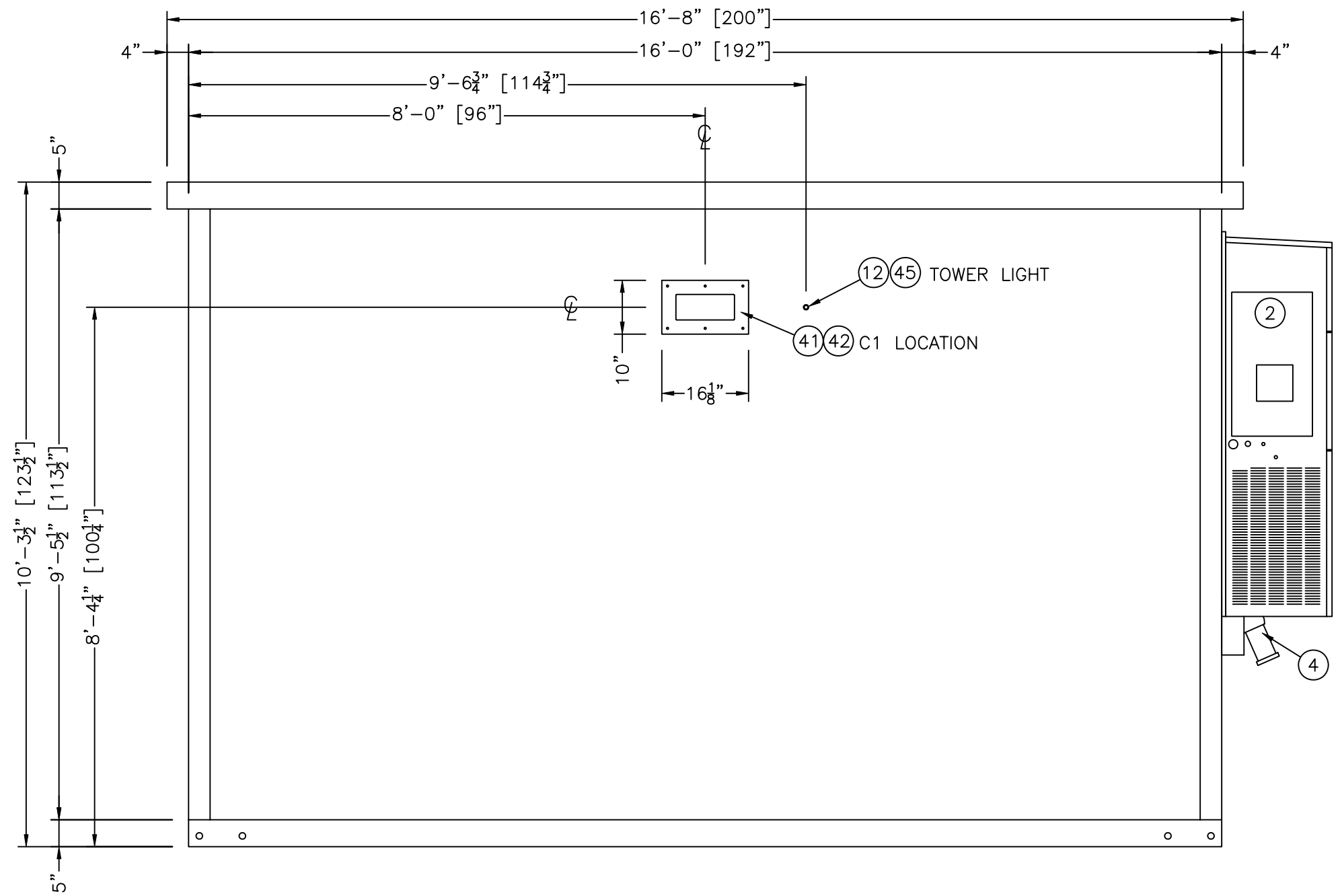
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CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER EXTERIOR ELEVATIONS PANEL "A"**

FILENAME: TTL20\TTL201-0	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 1-0	
DRAWING NO.: STTL20	T



EXTERIOR ELEVATION "C"

I	MRC	6/14/00	ADDED PIPE CAP	VGH	6/14/00
H	GE	4/10/00	ADDED: DIM. TO WAVEGUIDE; REMV'D. MICROFLECT WAVEGUIDE	GE	4/10/00
E	SM	3/1/00	REMOVED LOWER WAVEGUIDES	VGH	3/1/00
C	SM	2/1/00	ADDED DIMENSIONS FOR WAVEGUIDE BLOCKOUTS	VGH	2/1/00
B	VGH	1/4/00	CHANGES MADE PER CUSTOMER REVIEW OF PROTOTYPE	VGH	1/4/00
A	SM	12/28/99	ADDED 1" PVC	VGH	12/28/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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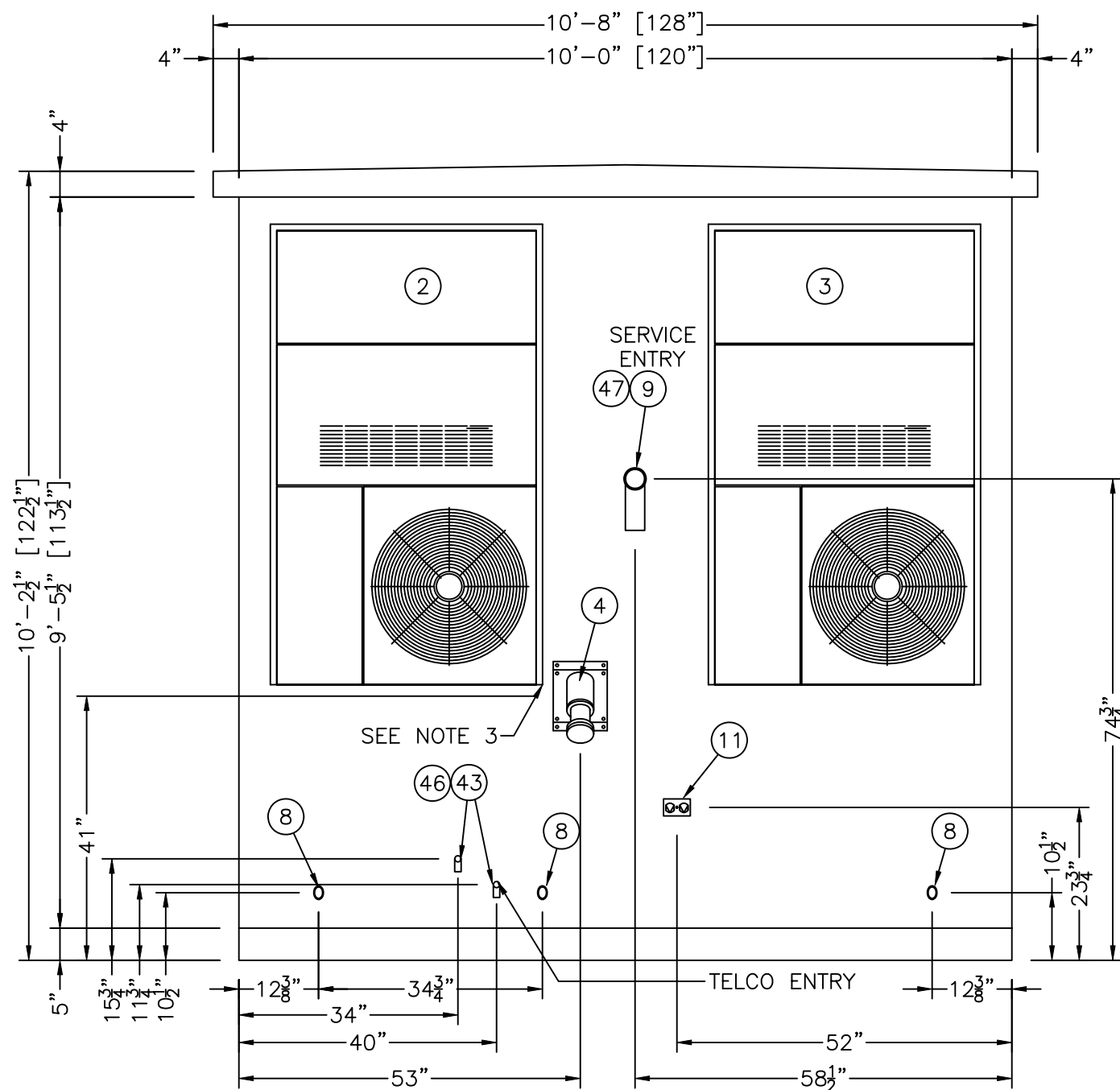
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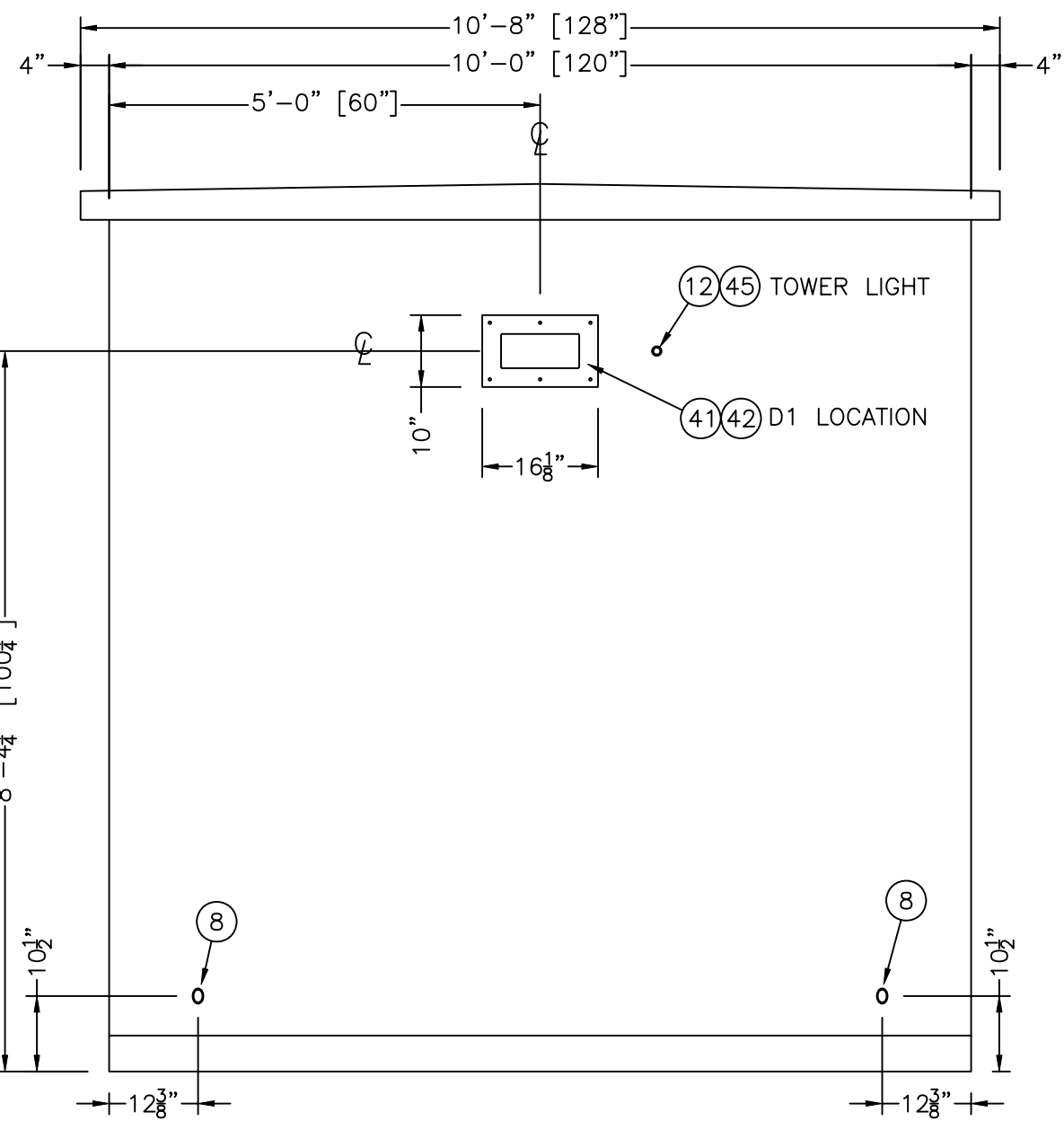
CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER EXTERIOR ELEVATIONS PANEL "C"**

FILENAME: <i>TTL20\TTL201-1</i>	
SCALE: <i>1/2"=1'-0"</i>	TOLERANCE:
DRWN. BY: <i>V. HASSELL</i>	DATE: <i>11/10/99</i>
CHK. BY: <i>V. HASSELL</i>	DATE: <i>11/10/99</i>
ENG. BY: <i>K. BARNETT</i>	DATE: <i>11/10/99</i>
APP. BY: <i>M. MAYFIELD</i>	DATE: <i>11/10/99</i>
SHEET NO. <i>1-1</i>	
DRAWING NO.: <i>STTL20</i>	<i>T</i>



EXTERIOR ELEVATION "B"



EXTERIOR ELEVATION "D"

NOTES:

1. INSTALL WAVEGUIDE ENTRY FOR WAVEGUIDE CONFIGURATION D1.  
INSTALL BLANK PLATE FOR WAVEGUIDE CONFIGURATION C1.
2. WHEN STATIONARY EMERGENCY POWER SUPPLY IS UTILIZED, A/C  
INTERLOCK MUST BE CONNECTED TO HVAC UNIT #2 (ITEM 3) THROUGH  
EXTERIOR KNOCKOUT LOCATED ON LEFT SIDE OF UNIT. SEE SHEET 5-1  
FOR WIRING DIAGRAM.
3. REROUTE AND EXTEND CONDENSATE DRAIN TO AVOID DRAINAGE  
ONTO ITEM #43.

L	CTF	10/18/00	MOVED HVAC CONDENSATE DRAIN	VGH	10/18/00
I	MRC	6/15/00	ADDED ITEMS 46 & 47	VGH	6/15/00
H	GE	4/10/00	ADDED: DIM. TO WAVEGUIDE; REMV'D. MICROFLECT WAVEGUIDE	VGH	4/10/00
G	VGH	3/15/00	REVISED TELCO LOCATION	VGH	3/15/00
E	SM	3/1/00	REMOVED LOWER WAVEGUIDES	VGH	3/1/00
D	SM	2/8/00	REVERSED 1" CONDULETS TO MATCH INTERIORS	VGH	2/8/00
C	GE	1/27/00	RELOCATED SERVICE ENTRY & ADDED WAVEGUIDE DIMENSIONS	VGH	1/27/00
B	VGH	1/5/00	CHANGES MADE PER REVIEW OF PROTOTYPE BY CUSTOMER	VGH	1/5/00
A	GE	12/28/99	MIRRORED ITEMS 4 AND 9	VGH	12/28/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
EXTERIOR ELEVATIONS  
PANELS "B & D"

FILENAME:

TTL20\TTL201-2

SCALE:

1/2"=1'-0"

TOLERANCE:

DRWN. BY:

V. HASSELL

DATE:

11/10/99

CHK. BY:

V. HASSELL

DATE:

11/10/99

ENG. BY:

K. BARNETT

DATE:

11/10/99

APP. BY:

M. MAYFIELD

DATE:

11/10/99

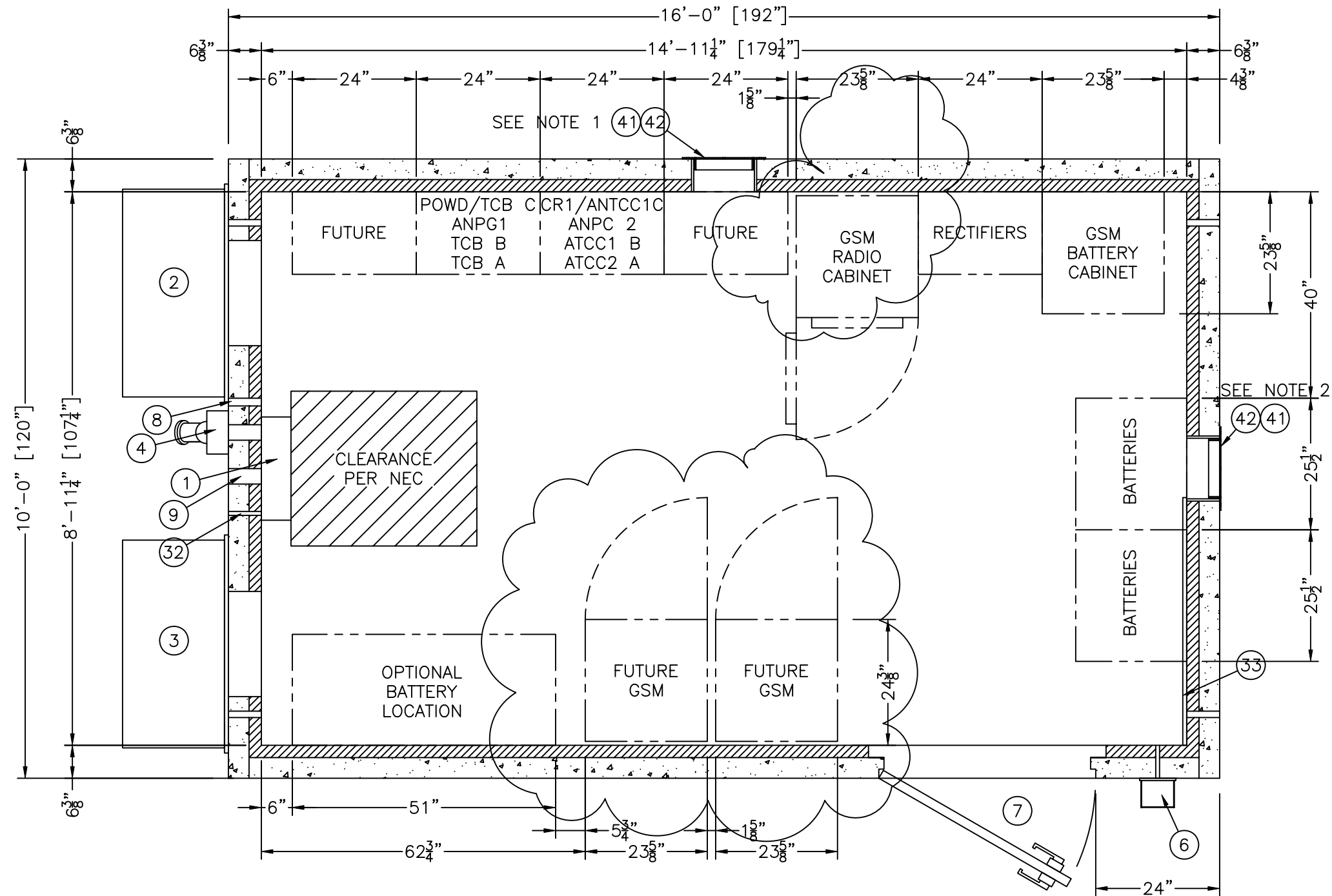
SHEET NO.

1-2

DRAWING NO.:

STTL20

T



# NOTES:

1. INSTALL WAVEGUIDE ENTRY FOR ENTRY CONFIGURATION C1. INSTALL BLANK PLATE FOR ENTRY CONFIGURATION D1.
2. INSTALL WAVEGUIDE ENTRY FOR ENTRY CONFIGURATION D1. INSTALL BLANK PLATE FOR ENTRY CONFIGURATION C1.

**FLOOR PLAN**  
133.50 SQ. FT. INTERIOR  
160.00 SQ. FT. EXTERIOR

T	WAR	05/14/02	ADDED 2 FUTURE GSM, RADIO & BATTERY CABINET	VGH	05/14/02
R	MRC	4/19/02	CHANGED ONE FUTURE RECTIFIER TO GSM	VGH	4/19/02
R	MRC	8/28/01	REVISED PRINT: MADE NEC CLEARANCE TO 30" X 36"	VGH	8/28/01
L	CTF	10/18/00	ADDED CONDENSATE PENETRATION	VGH	10/18/00
H	GE	4/10/00	REMOVED MICROFLECT WAVEGUIDE ITEMS 5 AND 30	VGH	4/10/00
E	SM	3/1/00	MODIFIED EQUIPMENT LAYOUT	VGH	3/1/00
B	SM	1/05/00	MODIFIED BATTERY AND DSX PLACEMENT	VGH	1/05/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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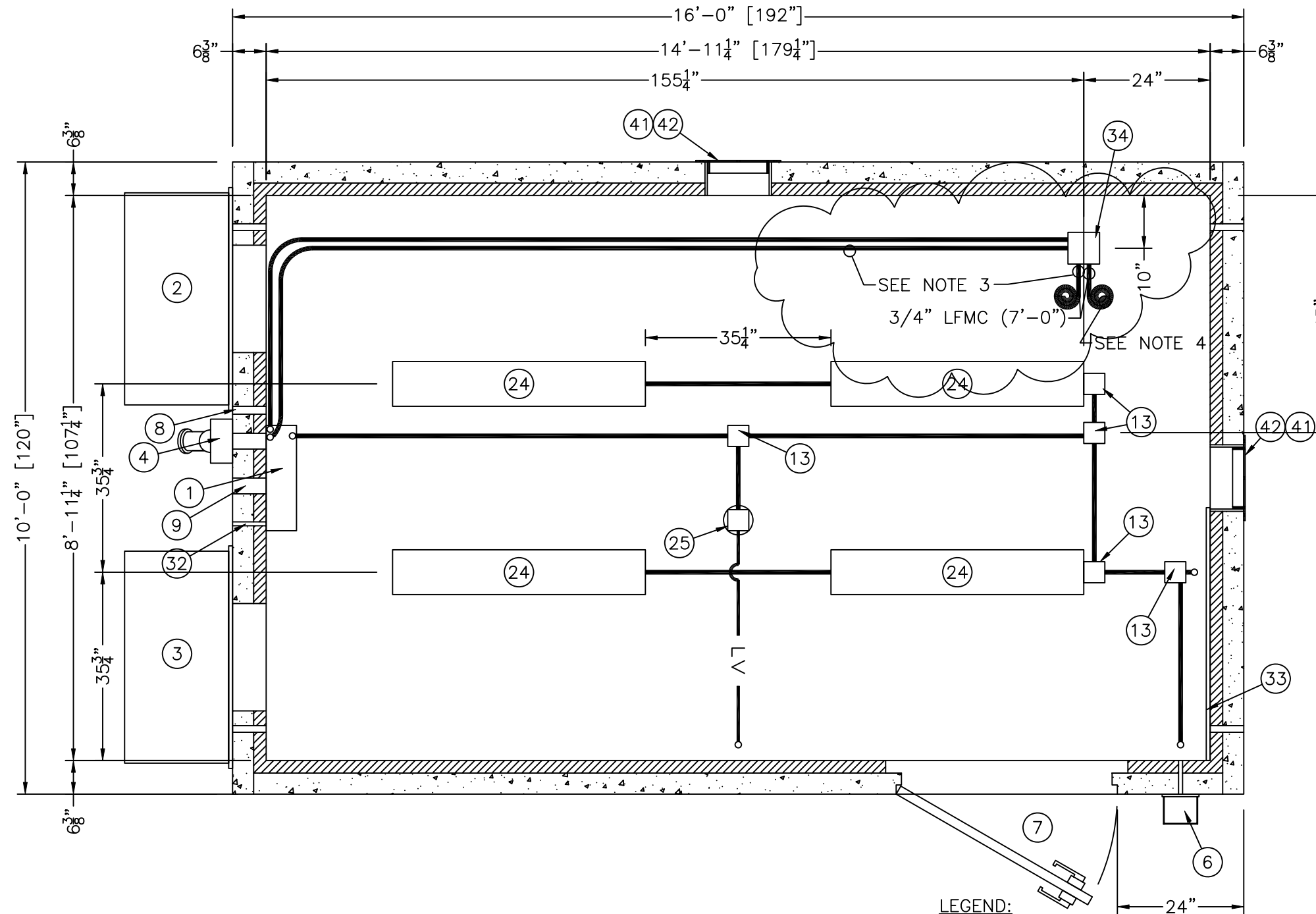
CUSTOMER:

**TRITEL COMMUNICATIONS**

PROJECT:  
10'-0" X 16'-0"  
EQUIPMENT SHELTER  
FLOOR PLAN

FILENAME: TTL20\TTL202-0	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 2-0	
DRAWING NO.: STTL20	T





# NOTES:

- ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
- PLACEMENT OF ELECTRICAL EQUIPMENT TO DETERMINED BY AVAILABILITY OF PREMADE KNOCK-OUTS OR PENETRATION REQUIREMENTS.
- CIRCUITS 20 & 22 ONLY.
- RECTIFIER CIRCUITS MUST BE TAGGED FOR IDENTIFICATION.

## REFLECTED CEILING VIEW ELECTRICAL

### LEGEND:

- = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
- = HALO GROUND WIRE TO BE #6 STRANDED GREEN COPPER WIRE AND DROPS TO BE #2 BARE SOLID TINNED COPPER WIRE.

S	MRC	4/19/02	REVISED PRINT: CHANGED NOTE NUMBER 3	VGH	4/19/02
N	MRC	11/28/00	REVISED PRINT: MADE TYPO CORRECTION	VGH	11/28/00
M	CTF	11/07/00	UPDATED CONDUIT RUNS	VGH	11/07/00
L	CTF	10/18/00	UPDATED PER NEW DWG. STANDARDS	VGH	10/18/00
E	SM	3/4/00	MOVED ITEM 34 24"	VGH	3/4/00
C	SM	2/1/00	ADDED NOTE 4; MOVED CENTER CONDUIT RUN	VGH	2/1/00
B	SM	1/06/00	REROUTED CONDUIT	VGH	1/06/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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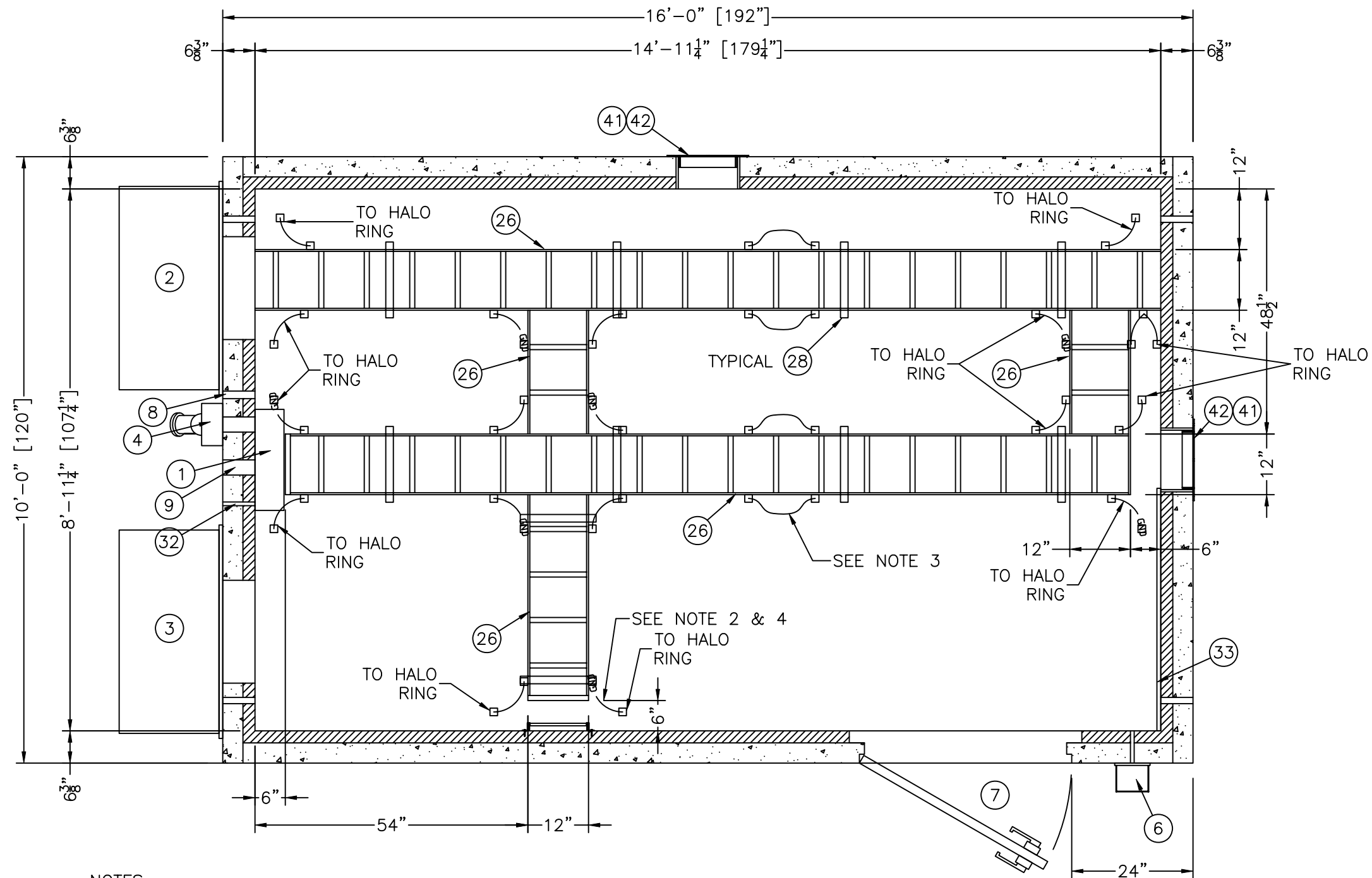
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CUSTOMER:

**TRITEL  
COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0"  
EQUIPMENT SHELTER  
REFLECTED CEILING VIEW  
ELECTRICAL**

FILENAME: TTL20\TTL203-0	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 3-0	
DRAWING NO.: STTL20	T



**NOTES:**

1. SEE SHEET 7-0 FOR DETAILS.
2. CABLE LADDER TO BE CONNECTED TO HALO AT ALL POINTS, USING #2 GREEN INSULATED, TWO HOLE LONG BARRELL LUGS, ON LADDER AND CRIMP LUGS FOR CONNECTION TO HALO.
3. JUMPERS TO BE INSTALLED AT ALL SPLICE CONNECTIONS USING #6 GREEN INSULATED CONDUCTOR W/ TWO HOLE LONG BARRELL LUGS.
4. ALL JUMPER AND HALO CONNECTIONS SHALL BE OMNI-DIRECTIONAL.

**REFLECTED CEILING VIEW  
MECHANICAL**

R	MRC	8/28/01	REVISED PRINT: REMOVED HALO RING FROM THIS VIEW	VGH	8/28/01
O	CTF	12/7/00	REVISED PRINT: ERASED LAYERS	VGH	12/7/00
L	CTF	10/18/00	ADDED GROUNDING TO CABLE TRAY	VGH	10/18/00
H	GE	4/10/00	ADDED: WALL MOUNTED CABLE TRAY, ITEM #26	VGH	4/10/00
C	SM	2/1/00	MOVED CABLE TRAY 6" OFF WALL AT PANELBOARD	MM	1/24/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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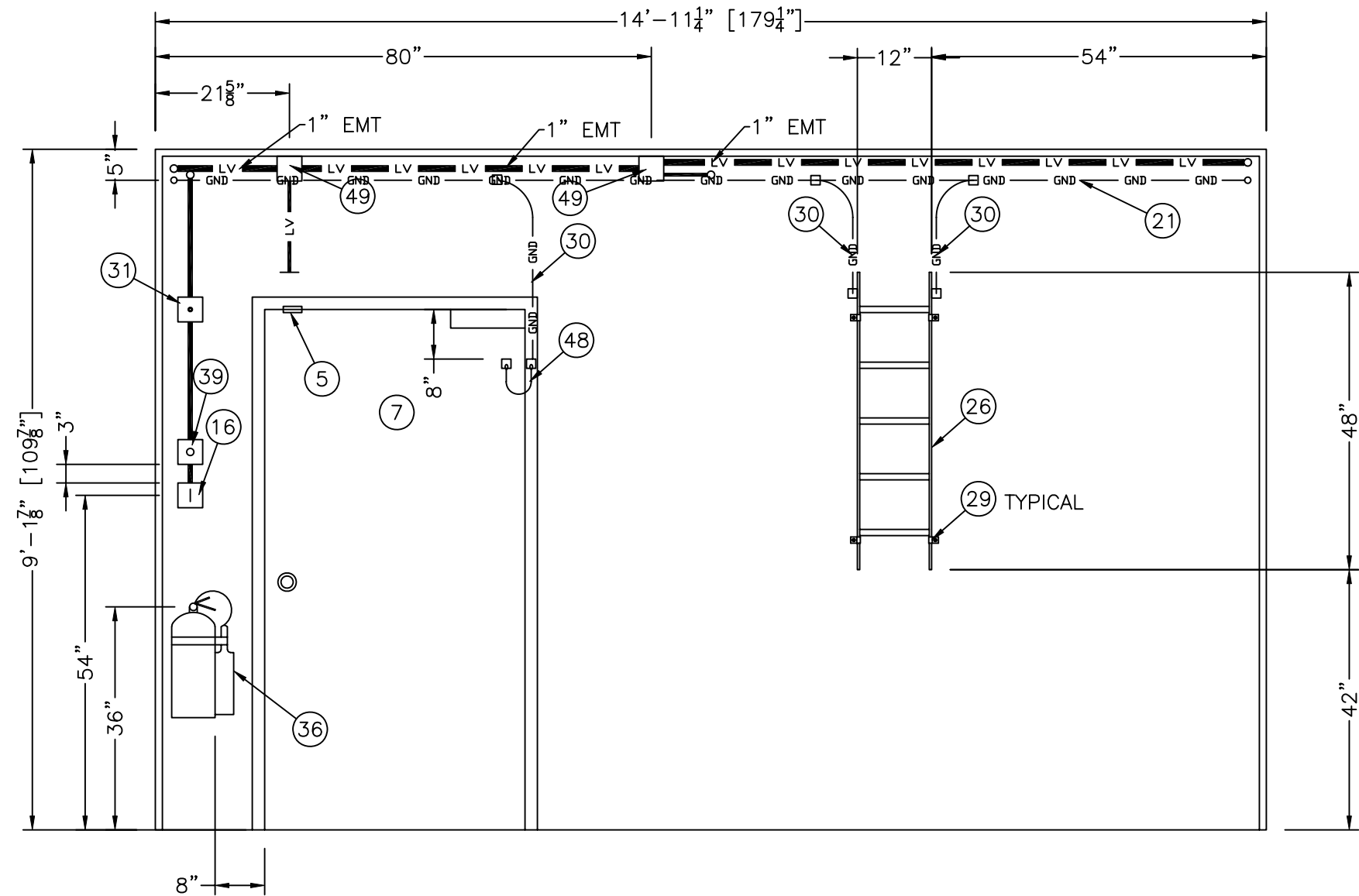
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CUSTOMER:

**TRITEL  
COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0"  
EQUIPMENT SHELTER  
REFLECTED CEILING VIEW  
MECHANICAL**

FILENAME: TTL20\TTL203-1	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 3-1	
DRAWING NO.: STTL20	T



**NOTES:**

- ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
- PLACEMENT OF ELECTRICAL EQUIPMENT TO DETERMINED BY AVAILABILITY OF PREMADE KNOCK-OUTS OR PENETRATION REQUIREMENTS.

**INTERIOR ELEVATION "A"**

**LEGEND:**

- LV — = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
- GND — = HALO GROUND RING AND DROPS TO BE #2 STRANDED GREEN COPPER WIRE AND COILS TO BE #2 BARE SOLID TINNED COPPER WIRE.

R	MRC	8/28/01	ADDED ITEM BUBBLES 5,21,36 AND CHG'D TEXT TO LEGEND	VGH	8/28/01
L	CTF	10/08/00	UPDATED PER MNEW DWG. STANDARDS	VGH	10/18/00
H	GE	4/10/00	ADDED: WALL MOUNTED CABLE TRAY, ITEM #26	VGH	4/10/00
B	SM	1/06/00	REVISED PRINTS PER CUSTOMER REVIEW OF PROTOTYPE	VGH	1/06/00
A	SM	12/28/99	ADDED FIRE EXTING. / REMOVED CON. BELOW LIGHT SWITCH	VGH	12/28/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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CUSTOMER:

**TRITEL  
COMMUNICATIONS**

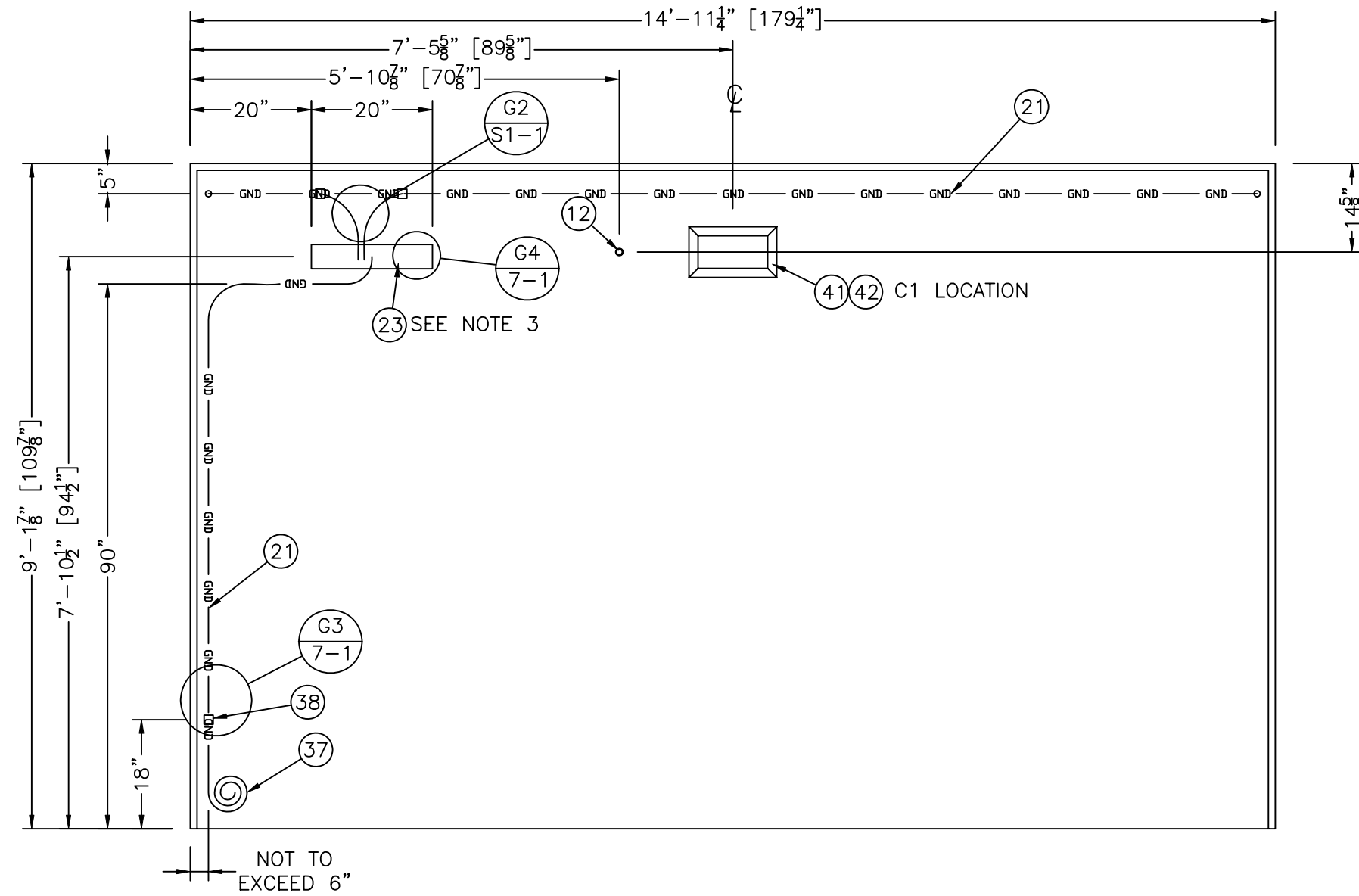
PROJECT:  
 10'-0" X 16'-0"  
 EQUIPMENT SHELTER  
 INTERIOR ELEVATIONS  
 PANEL "A"

FILENAME: TTL20\TTL204-0	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99

SHEET NO.  
4-0

DRAWING NO.:  
STTL20

T



NOTES:

1. ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
2. PLACEMENT OF ELECTRICAL EQUIPMENT TO DETERMINED BY AVAILABILITY OF PREMADE KNOCK-OUTS OR PENETRATION REQUIREMENTS.
3. USE 2 HOLE LONG BARREL LUGS TO CONNECT GROUND WIRE TO GROUND BAR. ANTI-OXIDATION COMPOUND MUST BE USED AT CONNECTION.
4. LUG LOCATION CLOSEST TO THE CENTER ON THE LEFT SIDE OF GROUND BAR AS POSSIBLE.

INTERIOR ELEVATION "C"

LEGEND:

1. — LV — = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
2. — GND — = HALO GROUND AND GROUND DROPS TO BE #2 STRANDED GREEN COPPER WIRE, COILS TO BE #2 SOLID TINNED COPPER WIRE.

R	MRC	8/24/01	REVISED PRINT: ADDED GROUNDING DETAIL BUBBLES	VGH	8/24/01
L	CTF	10/18/00	CHGD. GROUNDING ROUTES	VGH	10/18/00
H	GE	4/10/00	REMOVED ITEMS 5 AND 30, MICROFLECT WAVEGUIDE	VGH	4/10/00
E	SM	3/1/00	REMOVED LOWER WAVEGUIDES	VGH	3/1/00
C	SM	2/2/00	REMOVED 1 RUN CONDUIT, MADE REMAINING CONDUIT LV	VGH	2/2/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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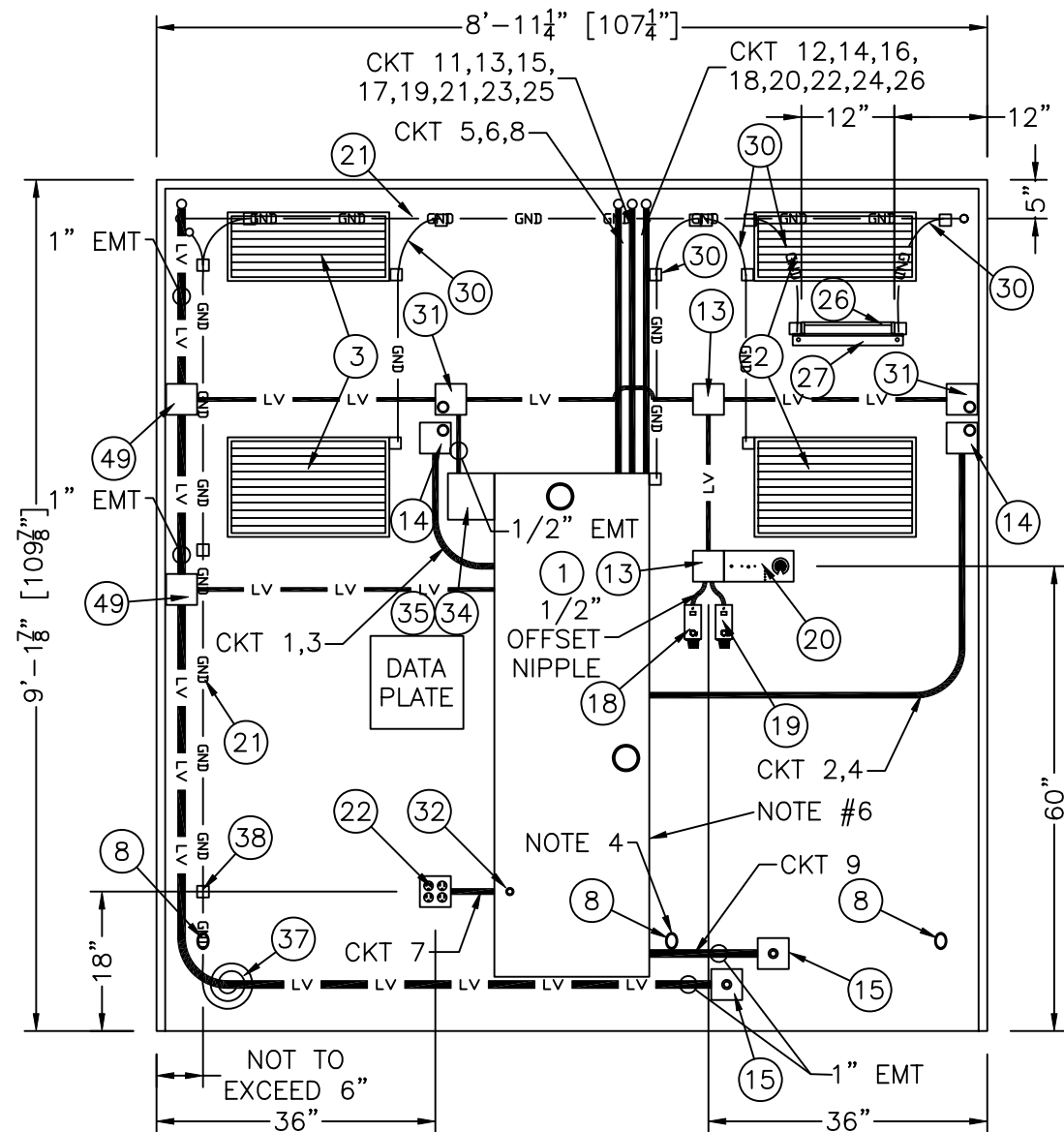
Cellxion

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CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER INTERIOR ELEVATIONS PANEL "C"**

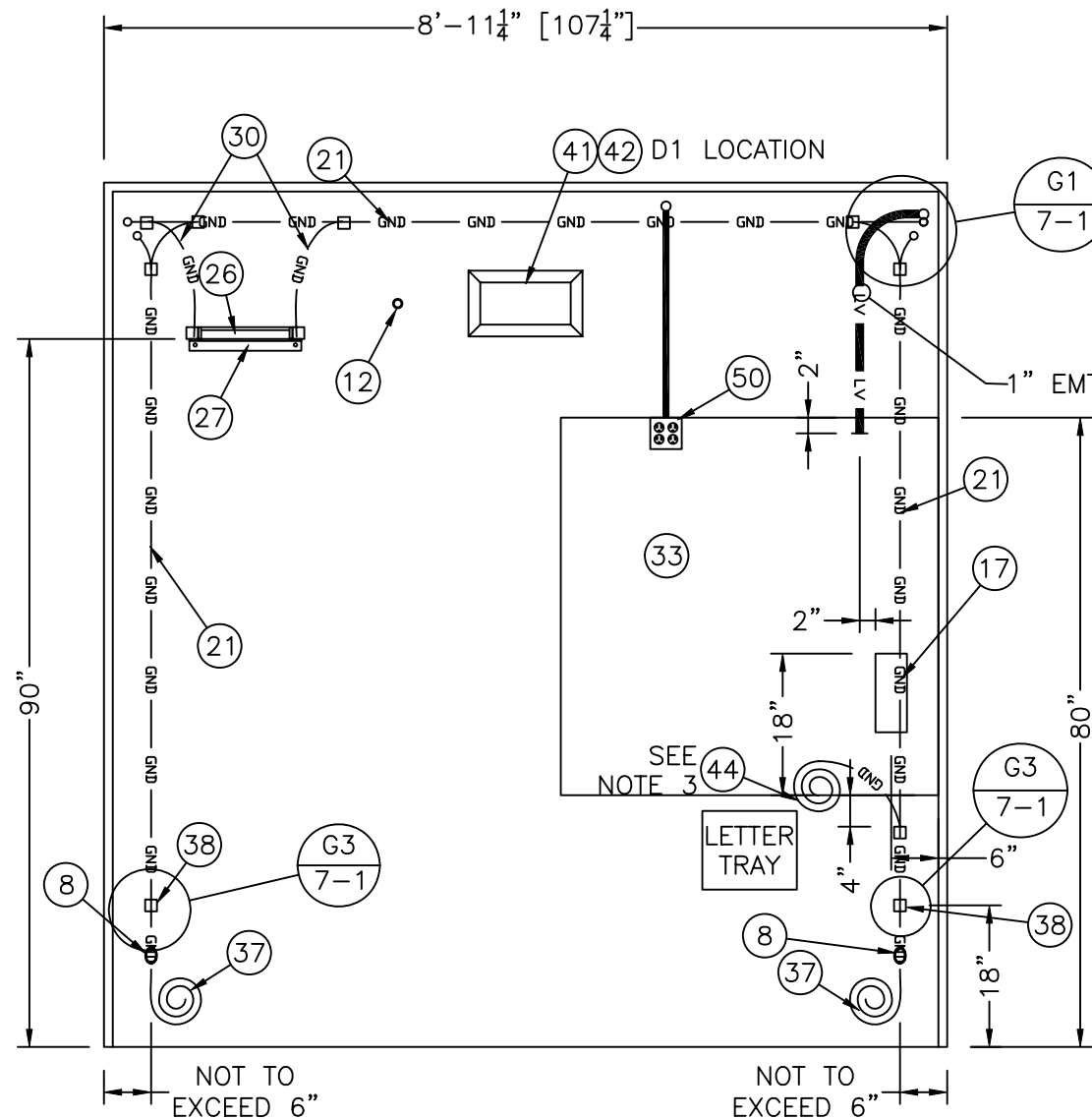
FILENAME: TTL20\TTL204-1	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99
SHEET NO. 4-1	
DRAWING NO.: STTL20	T



INTERIOR ELEVATION "B"

NOTES:

1. ALL CONDUIT TO BE 3/4" EMT, UNLESS OTHERWISE NOTED.
2. PLACEMENT OF ELECTRICAL EQUIPMENT TO DETERMINED BY AVAILABILITY OF PREMADE KNOCK-OUTS OR PENETRATION REQUIREMENTS.
3. MAKE ITEM #44 COIL 6 FT.
4. PDC GROUND BUSS PENETRATION FOR CONNECTION TO EGR BY GENERAL CONTRACTOR.
5. GROUNDING CONDUCTOR TAPS TO BE ROUTED TO DIRECT WIRE TOWARDS NEAREST HALO EXIT PENETRATION.
6. IN CENTER OF SIDE PANEL ON OPPOSITE SIDE OF QUAD RECEPTACLE, DRILL 3/8"Ø HOLE, 11" UP FROM BOTTOM OF PANEL, FOR EGR GROUND WIRE.



INTERIOR ELEVATION "D"

LEGEND:

1. — LV — = LOW VOLTAGE CONDUIT TO BE 1/2" EMT UNLESS OTHERWISE NOTED.
2. — GND — = HALO GROUND AND GROUND DROPS TO BE #2 STRANDED GREEN COPPER WIRE, COILS TO BE #2 SOLID TINNED COPPER WIRE.

R	MRC	8/28/01	ADDED CKT CALLOUTS AND NOTE NUMBER 6	VGH	8/28/01
M	CTF	11/07/00	CHGD CONDUIT RUNS	VGH	11/07/00
L	CTF	10/18/00	UPDATED PER NEW DWG. STANDARDS	VGH	10/18/00
H	GE	4/10/00	REMOVED ITEMS 5 AND 30, MICROFLECT WAVEGUIDE	VGH	4/10/00
E	SM	3/1/00	REMOVED LOWER WAVEGUIDES	VGH	3/1/00
D	SM	2/8/00	REVERSED HVAC UNITS TO MATCH EXTERIOR VIEWS	VGH	2/8/00
C	GE	1/27/00	MOVED SERVICE ENTRY, REMOVED ITEM 27, MODIFIED LV CON.	VGH	1/27/00
B	SM	1/06/00	CHANGES MADE PER REVIEW OF PROTOTYPE BY CUSTOMER	VGH	1/06/00
A	SM	12/28/99	MOVED PWR FAIL/ REVERSED GEN. RECEPT. & SERVICE ENT.	VGH	12/28/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:  
 10'-0" X 16'-0"  
 EQUIPMENT SHELTER  
 INTERIOR ELEVATIONS  
 PANELS "B & D"

FILENAME: TTL20\TTL204-2	
SCALE: 1/2"=1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/10/99
CHK. BY: V. HASSELL	DATE: 11/10/99
ENG. BY: K. BARNETT	DATE: 11/10/99
APP. BY: M. MAYFIELD	DATE: 11/10/99

SHEET NO.  
4-2

DRAWING NO.:  
STTL20

T

1. CONDUCTOR COLORS ARE AS FOLLOWING:

PHASE "A" = BLACK

PHASE "B" = RED

NEUTRAL = WHITE

120/208 THREE P

PHASE "A" = BLACK

PHASE "B" = RFD

PHASE "C" = BLUE

NEUTRAL = WHITE

277/480 THREE PHASE

PHASE "A" = YELLOW

PHASE "B" = BROWN

PHASE "C" = ORANGE

PHASE C = ORANGE  
NEUTRAL = GRAY

ALL ELECTRICAL GROUND = GREEN

ALL ISOLATED GROUND = GREEN/YELLOW STRIPE

ALL SWITCHED = VIOLET

2. ALL CONDUCTORS (UNLESS OTHERWISE NOTED) TO BE STRANDED THHN, THWN OR THW.

3. ALL CONDUIT TO BE 3/4" EMT UNLESS OTHERWISE NOTED.

4. ALL CONDUCTOR AMPACITIES ARE BASED ON TABLE 310-16 NATIONAL ELECTRICAL CODE.

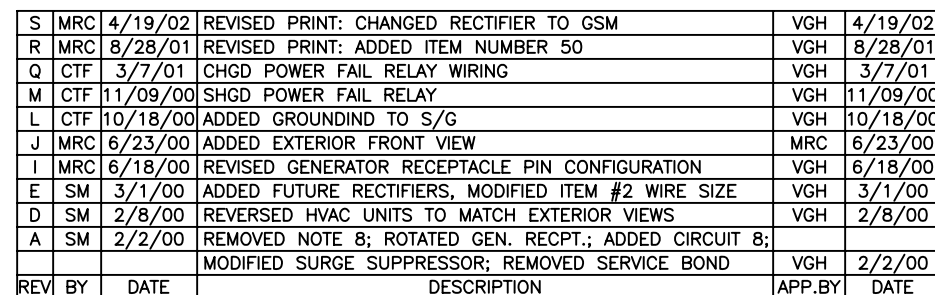
5. CONDUIT FILL BASED ON CHAPTER 9 – NATIONAL ELECTRICAL CODE.

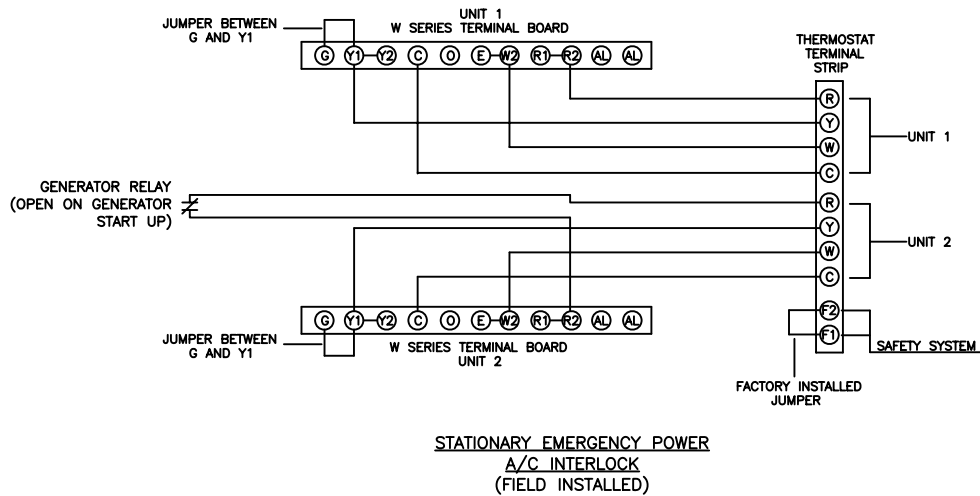
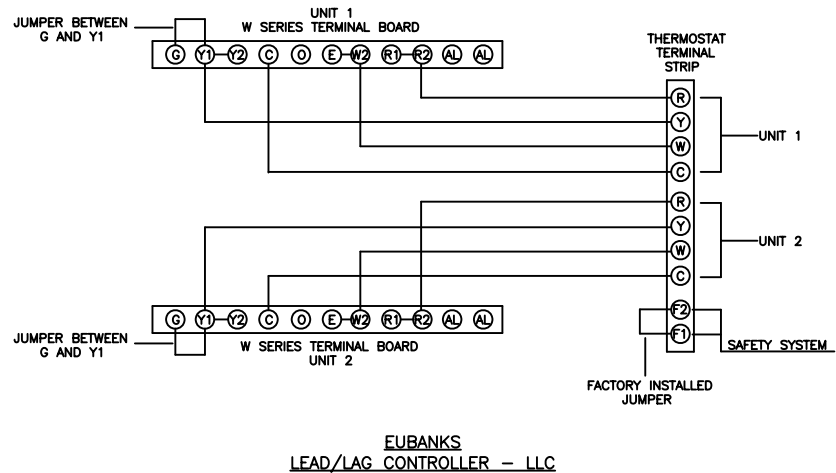
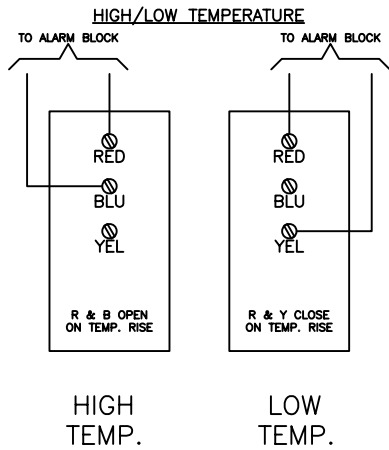
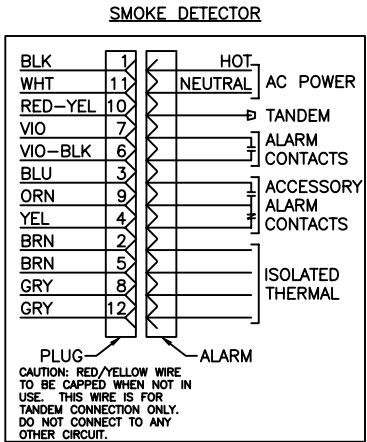
6. PLACEMENT OF ELECTRICAL COMPONENTS TO BE DETERMINED BY THE AVAILABILITY OF PRE-MADE KNOCKOUTS AND/OR PENETRATION REQUIREMENTS.

7. DASHED LINES (---) DENOTE FIELD WORK.

8. ALL CIRCUITS ON 25 AMP THROUGH 60 AMP BREAKER MUST USE #10 GROUND CONDUCTOR PER NEC TABLE 250-95.

9. CONDUCTORS SMALLER THAN 4 AWG MUST HAVE CORRECT COLOR INSULATION. CONDUCTORS 4 AWG AND LARGER MAY BE REIDENTIFIED BY COLORED TAPE. BLACK INSULATED CONDUCTOR SHALL BE THE ONLY COLOR TO BE REIDENTIFIED. IF CONDUCTORS ARE REIDENTIFIED, IDENTIFICATION MUST BE APPLIED IN THREE INCH (3") WRAPS, MINIMUM EVERY THREE FEET (3'-0"). REIDENTIFICATION SHALL BE VISIBLE BY OPENING ANY ENCLOSURE. WHITE, GRAY AND GREEN CONDUCTORS SHALL NOT BE REIDENTIFIED.





DOOR/INTRUSION ALARM - N.C. (OPEN ON ALARM)	#22 SOLID BLACK	1				
	#22 SOLID RED	2				
		3				
SPARE		4				
	#22 SOLID BLACK	5				
HIGHT TEMP. ALARM - N.C. (OPEN ON ALARM)	#22 SOLID RED	6				
	#22 SOLID BLACK	7				
RECTIFIER MAJOR - N.C. (OPEN ON ALARM)	#22 SOLID RED	8				
	#22 SOLID BLACK	9				
RECTIFIER MINOR - N.C. (OPEN ON ALARM)	#22 SOLID RED	10				
	#22 SOLID BLACK	11				
RECTIFIER OBSERVATIONAL - N.C. (OPEN ON ALARM)	#22 SOLID RED	12				
	#22 SOLID BLACK	13				
RECTIFIER FAIL 24V MAINS - N.C. (OPEN ON ALARM)	#22 SOLID RED	14				
	#22 SOLID BLACK	15				
RECTIFIER FAULT 24V UNDERVOLT - N.C. (OPEN ON ALARM)	#22 SOLID RED	16				
	#22 SOLID BLACK	17				
LOW TEMPERATURE ALARM - N.C. (OPEN ON ALARM)	#22 SOLID RED	18				
	#22 SOLID BLACK	19				
SURGE ARRESTOR - N.C. (OPEN ON ALARM)	#22 SOLID RED	20				
	#22 SOLID BLACK	21				
SMOKE DETECTOR - N.C. (OPEN ON ALARM)	#22 SOLID RED	22				
		23				
		24				
	#22 SOLID BLACK	25				
LOSS OF A.C. POWER - N.C. (OPEN ON ALARM)	#22 SOLID RED	26				
	#22 SOLID BLACK	27				
GENERATOR MAJOR - N.O. (CLOSE ON ALARM)	#22 SOLID RED	28				
	#22 SOLID BLACK	29				
GENERATOR MINOR - N.O. (CLOSE ON ALARM)	#22 SOLID RED	30				
	#22 SOLID BLACK	31				
GENERATOR RUNNING - N.O. (CLOSE ON ALARM)	#22 SOLID RED	32				
	#22 SOLID BLACK	33				
HVAC #1 COMP FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	34				
	#22 SOLID BLACK	35				
HVAC #2 COMP FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	36				
	#22 SOLID BLACK	37				
TOWER LIGHT FAIL - N.C. (OPEN ON ALARM)	#22 SOLID RED	38				
	#22 SOLID BLACK	39				
RBS ALARM 1 MC FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	40				
	#22 SOLID BLACK	41				
RBS ALARM 2 MC FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	42				
	#22 SOLID BLACK	43				
RBS ALARM 1 FAN FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	44				
	#22 SOLID BLACK	45				
RBS ALARM 2 FAN FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	46				
	#22 SOLID BLACK	47				
RBS ALARM CTC & RFTL FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	48				
	#22 SOLID BLACK	49				
RBS ALARM CTC & RFTL FAIL - N.O. (CLOSE ON ALARM)	#22 SOLID RED	50				

I	MRC	6/14/00	CHANGED NO TO NC VISA VERSA	VGH	6/14/00
C	SM	2/1/00	CHANGED HVAC ALARMS & MODIFIED ALL OTHER SWITCHES	VGH	2/1/00
REV	BY	DATE	DESCRIPTION	APP.BY	DATE

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CUSTOMER:

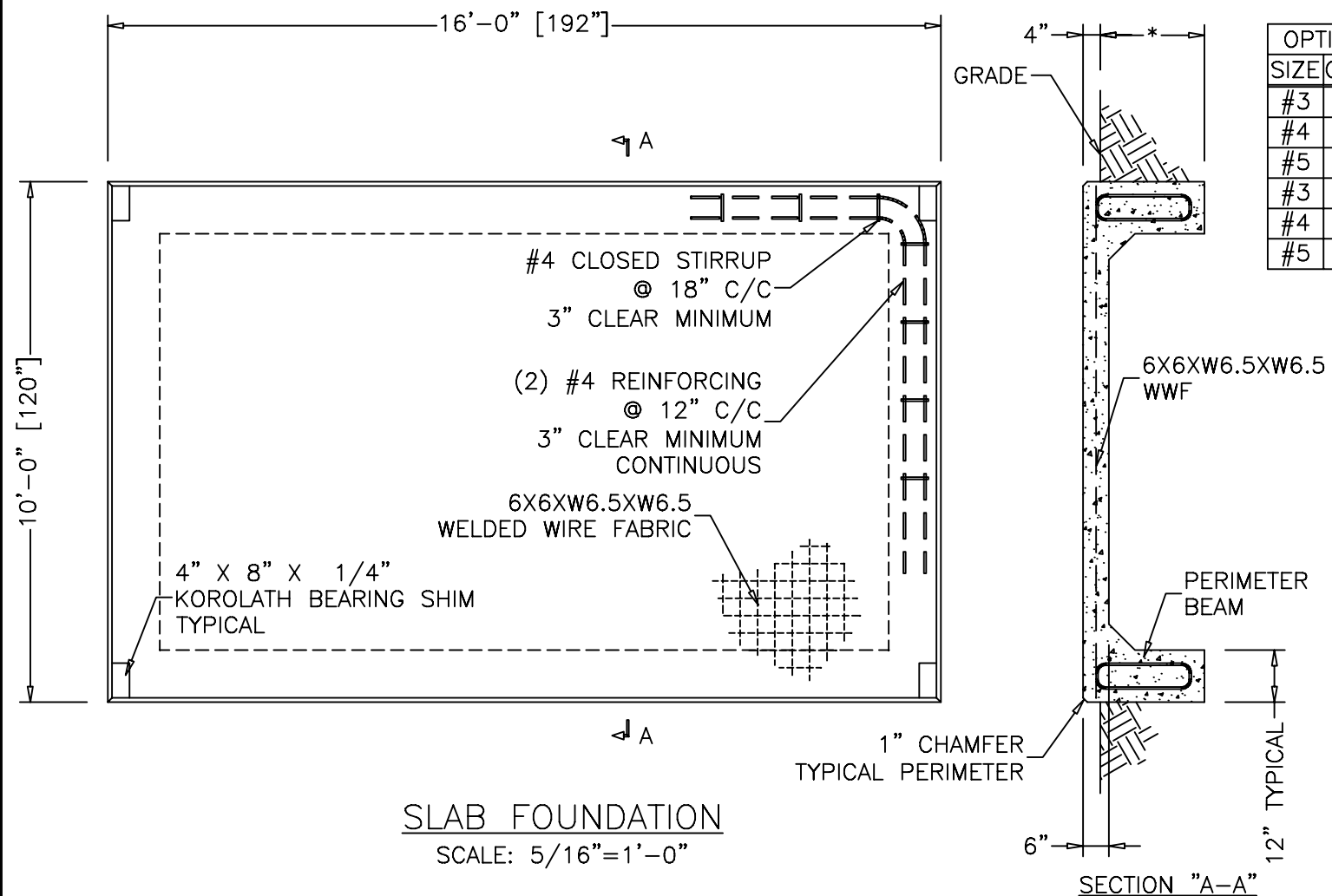
TRITEL  
COMMUNICATIONS

PROJECT:  
10'-0" X 16'-0"  
EQUIPMENT SHELTER  
LOW VOLTAGE WIRING

FILENAME: TTL20\TTL205-1	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/12/99
CHK. BY: V. HASSELL	DATE: 11/12/99
ENG. BY: K. BARNETT	DATE: 11/12/99
APP. BY: M. MAYFIELD	DATE: 11/12/99
SHEET NO. 5-1	

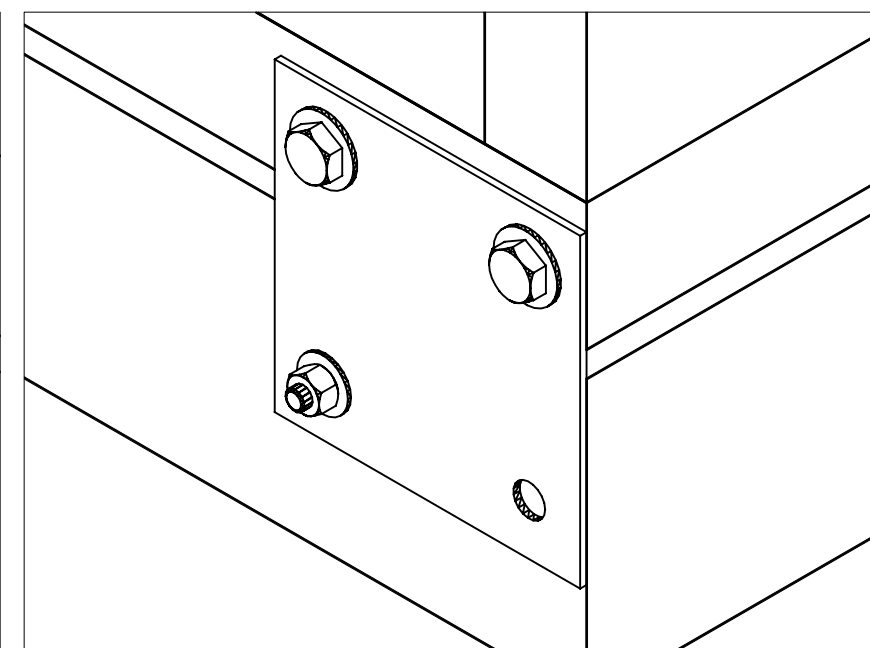
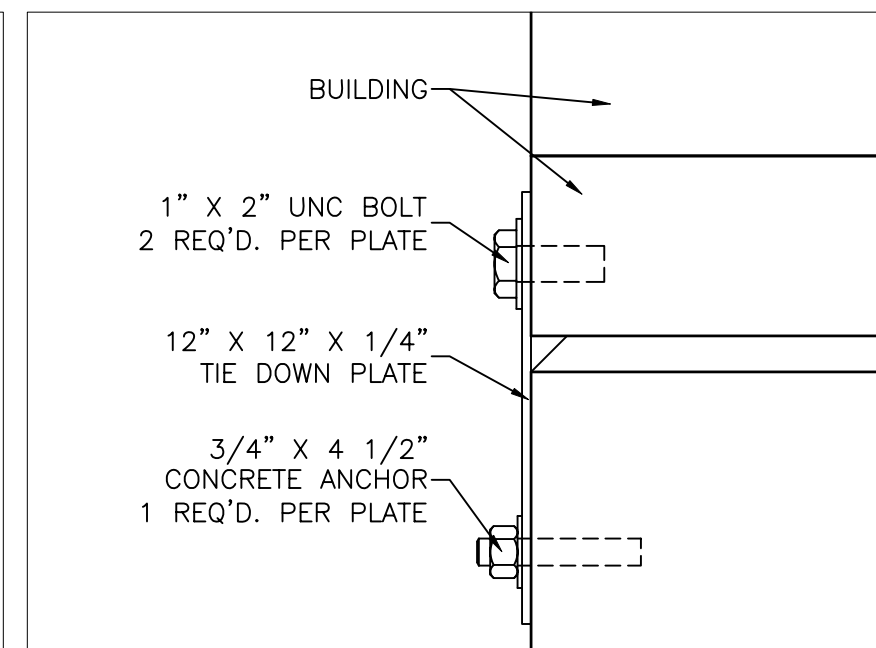
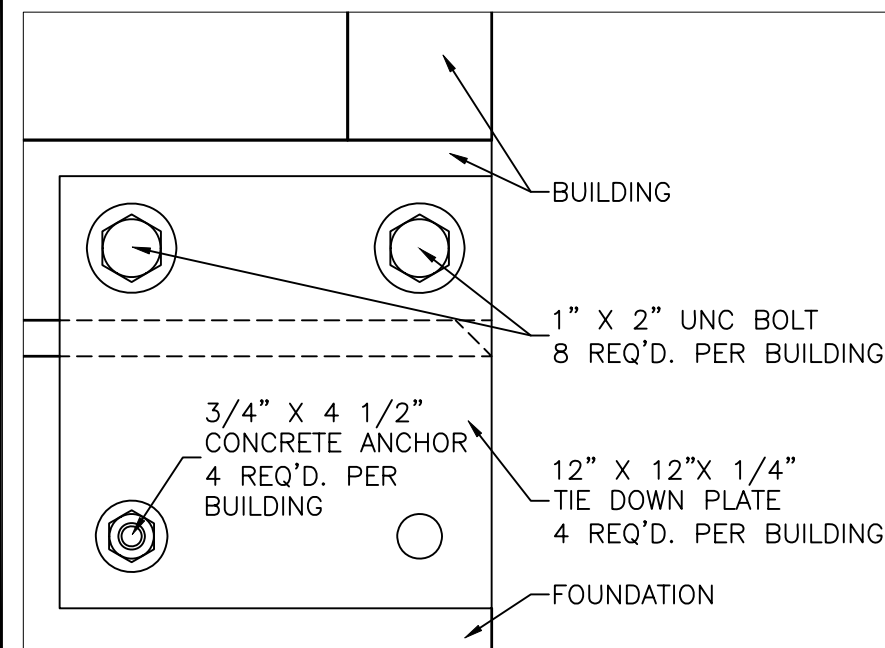
DRAWING NO.:  
STTL20

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#### NOTES:

1. WELDED WIRE FABRIC OR OPTIONAL REINFORCING BAR MAY BE USED AS AVAILABLE. SEE CHART FOR SIZE, GRADE, AND SPACING OF REBAR.
2. \* = 24" MINIMUM, BUT MAY VARY AS REQUIRED PER: LOCAL CODE, FROST LINE, AND/OR SOIL BEARING CAPACITY.
3. FINAL FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
4. SLAB TOLERANCE IS  $\pm 1/4"$
5. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF THE SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2000 PSF.
6. ALL REBAR TO BE GRADE 40 MINIMUM UNLESS OTHERWISE SPECIFIED.
7. W6.5 AS SPECIFIED FOR THE WWF HAS 0.288" DIAMETER.
8. WWF IS 60 KSI MINIMUM.
9. OVERLAP SPLICES ARE ALLOWED FOR REINFORCING BAR, USE 18" MINIMUM LAP.
10. ALL REQUIRED TIE DOWN PLATES, SHIMS, BOLTS, AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.



ENGINEER SEAL

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CUSTOMER:

**TRITEL COMMUNICATIONS**

PROJECT:

**10'-0" X 16'-0" EQUIPMENT SHELTER FOUNDATION PLAN**

FILENAME:

**TTL20\TTL206-0**

SCALE:

**NOTED**

TOLERANCE:

DRWN. BY:

**V. HASSELL**

DATE:

**11/12/99**

CHK. BY:

**V. HASSELL**

DATE:

**11/12/99**

ENG. BY:

**K. BARNETT**

DATE:

**11/12/99**

APP. BY:

**M. MAYFIELD**

DATE:

**11/12/99**

SHEET NO.:

**6-0**

PART NO.:

DRAWING NO.:

**STTL20**

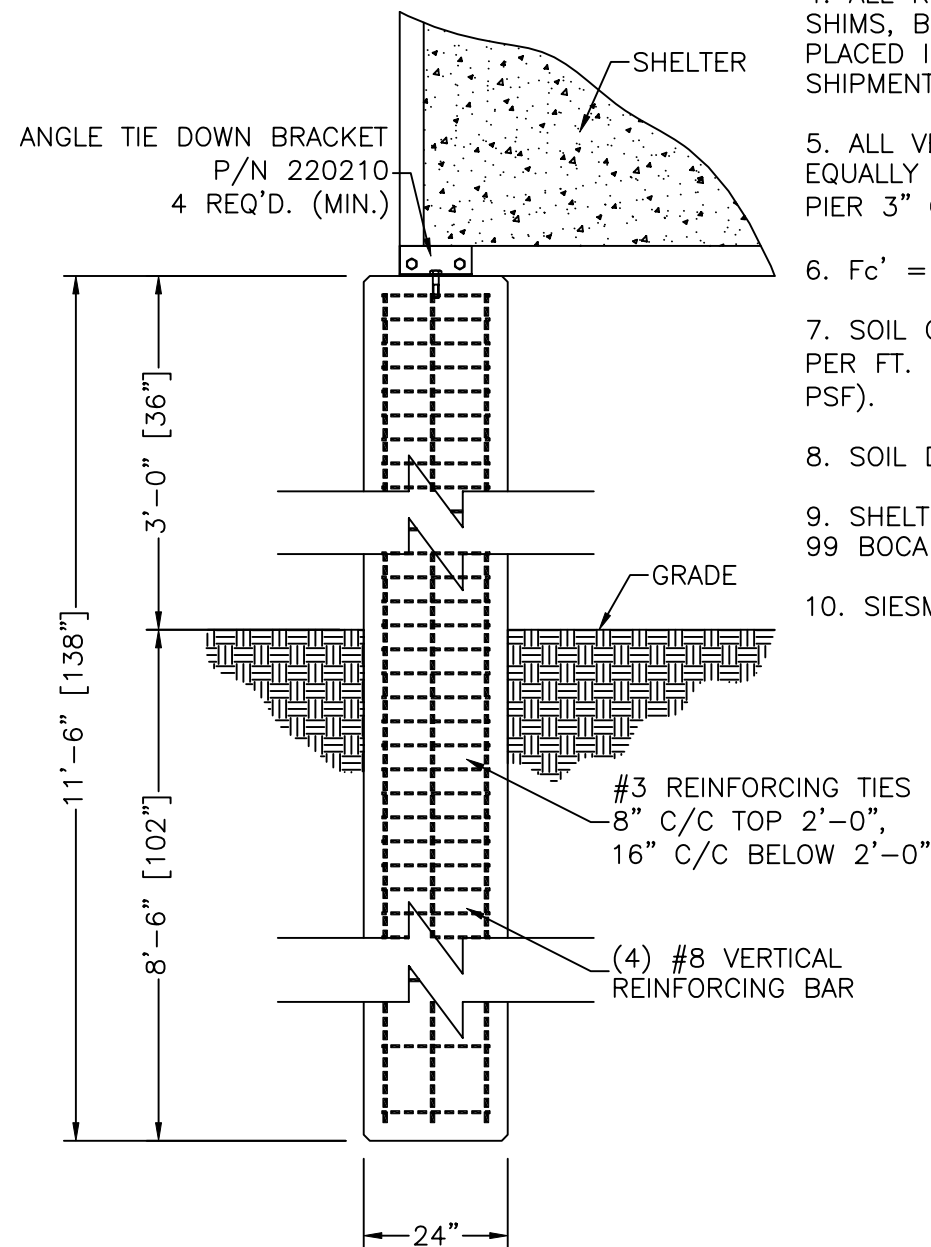
REV:

**T**

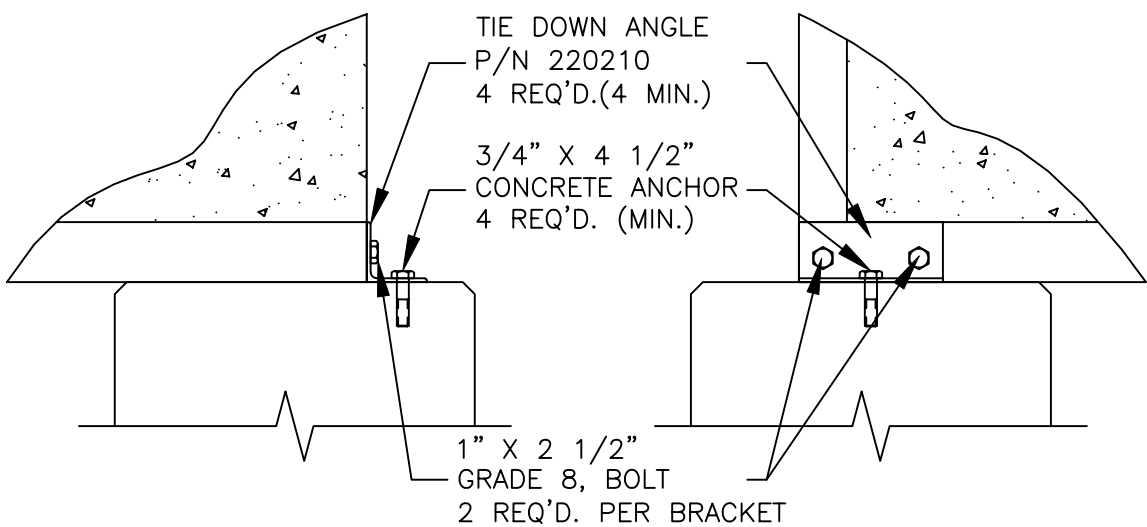
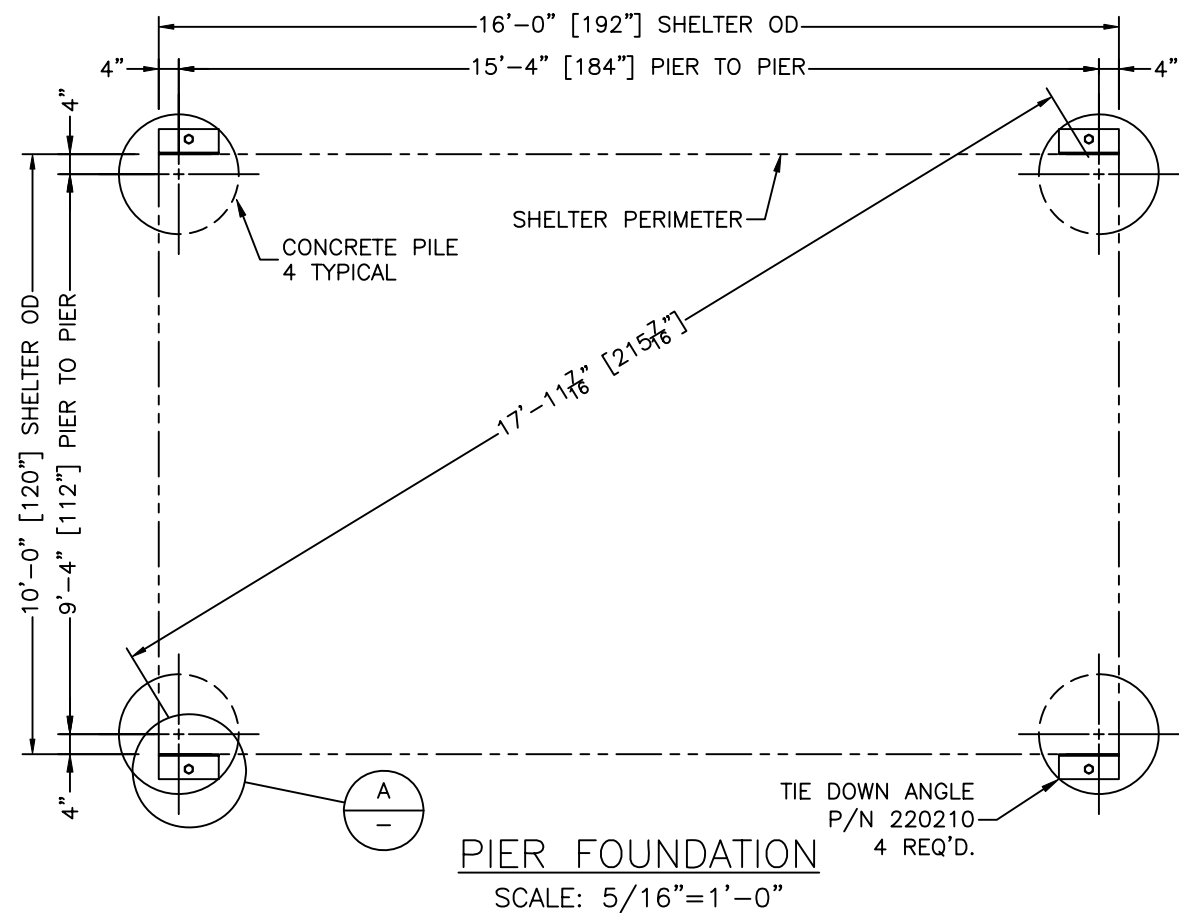


NOTES:

1. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2000 PSF AT BOTTOM OF PIER.
2. TOP OF PIERS MUST BE LEVEL  $\pm 1/4"$
3. ALL REINFORCING BAR MUST BE GRADE 60 PER ASST. A615.
4. ALL REQUIRED TIE DOWN ANGLES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.
5. ALL VERTICAL REINFORCING BAR IS EQUALLY SPACED AROUND PERIMETER OF PIER 3" CLEAR.
6.  $F_c' = 3000$  PSI @ 28 DAYS
7. SOIL COHESION IS ASSUMED AT 50 PSF PER FT. OF DEPTH (NOT TO EXCEED 250 PSF).
8. SOIL DENSITY IS 100 PCF OR GREATER.
9. SHELTER WIND LOAD IS 70 MPH PER 99 BOCA
10. SIESMIC IS  $A_v=.05$  AND  $A_a=.05$



ELEVATION VIEW  
SCALE: 3/8"=1'-0"



DETAIL "A"  
SCALE: 3/4"=1'-0"

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CUSTOMER:

TRITEL

PROJECT:

10'-0" X 16'-0"  
CONCRETE SHELTER  
11'-6" PIER  
FOUNDATION PLAN

FILENAME: TTL20/STTL206-1	
SCALE: NOTED	TOLERANCE: NOTED
DRWN. BY: S. MARTIN	DATE: 12/4/00
CHK. BY: V. HASSELL	DATE: 12/4/00
ENG. BY: K. BARNETT	DATE: 12/4/00
APP. BY: M. MAYFIELD	DATE: 12/4/00
SHEET NO.: 6-1	PART NO.:
DRAWING NO.: STTL20	REV: T

NOTES:

1. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 1800 PSF.
2. TOP OF PILES MUST BE LEVEL  $\pm 1/4"$
3. ALL REINFORCING BAR MUST BE GRADE 60 PER ASST. A615.
4. FROST LINE IS ASSUMED AT 1'-6" BELOW GRADE
5. ALL REQUIRED TIE DOWN ANGLES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.
6. ALL VERTICAL REINFORCING BAR IS EQUALLY SPACED AROUND PERIMETER OF PIER 3" CLEAR.
7.  $F_c' = 3000$  PSI @ 28 DAYS
8. FOUNDATION BASED ON SKIN FRICTION OF 215 PSF FOR SOIL BELOW 12 FEET.

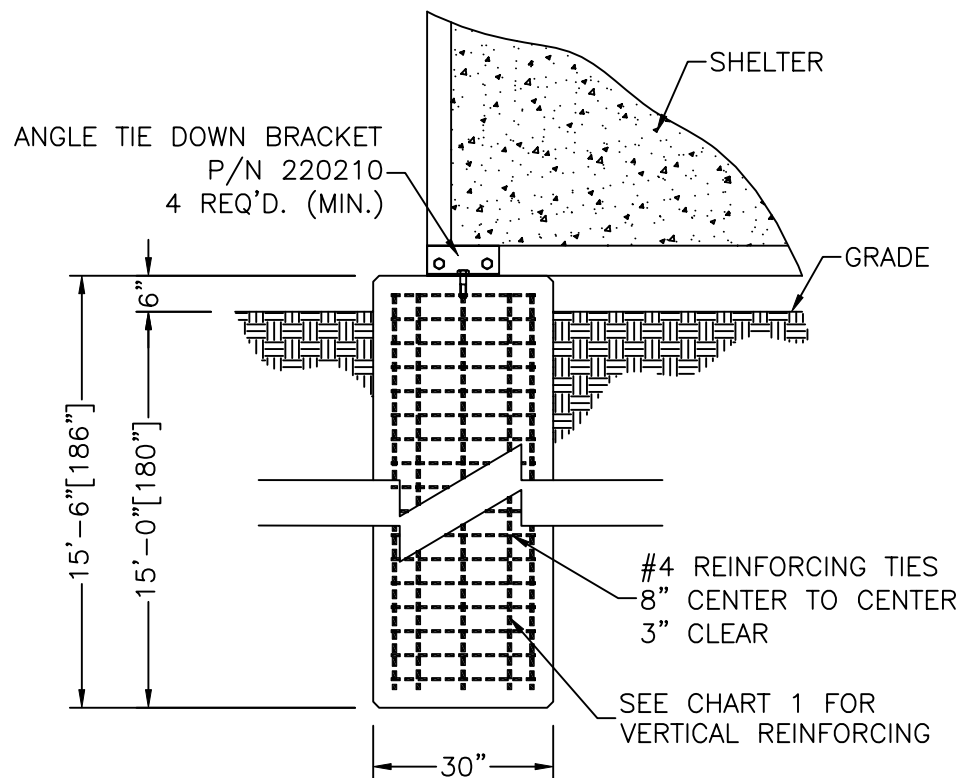
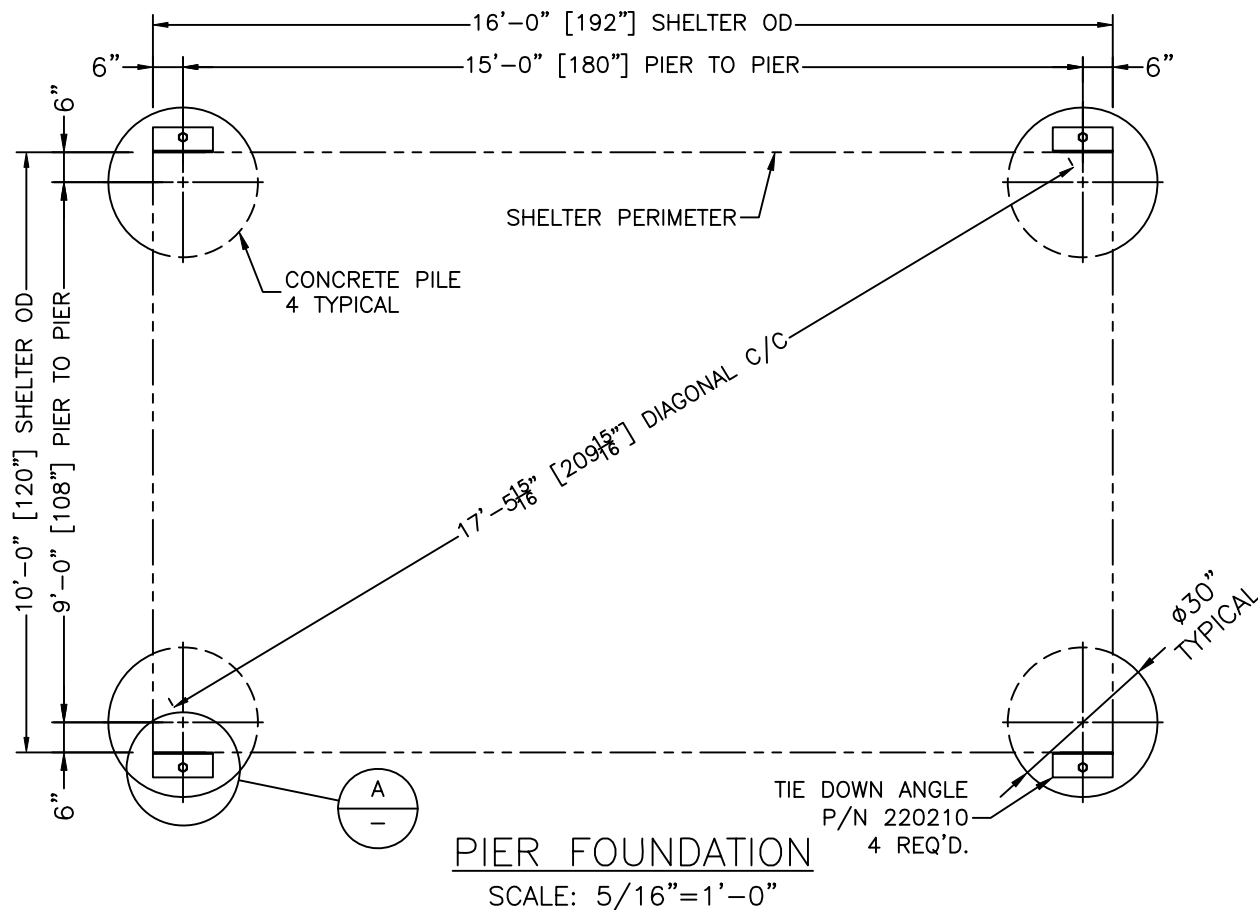
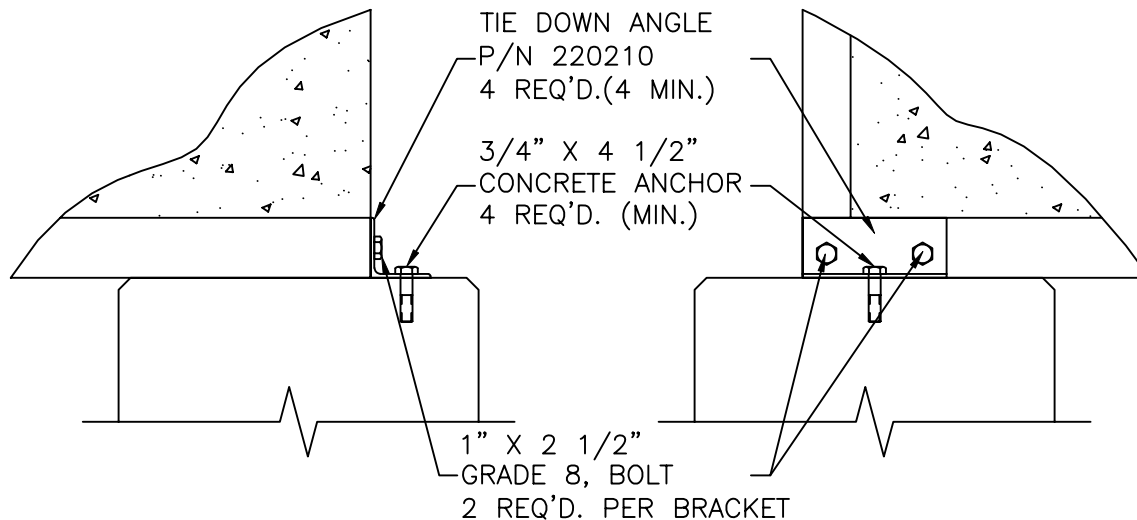


CHART 1	
SIZE	QUANTITY
6	9
7	6
8	5



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CUSTOMER:

TRITEL

PROJECT:

10'-0" X 16'-0"  
CONCRETE SHELTER  
15'-6" PIER  
FOUNDATION PLAN

FILENAME:

SCALE: NOTED	TOLERANCE: NOTED
DRWN. BY: C. FOSTER	DATE: 12/26/00
CHK. BY: V. HASSELL	DATE: 12/26/00
ENG. BY: K. BARNETT	DATE: 12/26/00
APP. BY: M. MAYFIELD	DATE: 12/26/00
SHEET NO.: 6-2	PART NO.:

DRAWING NO.:  
STTL20

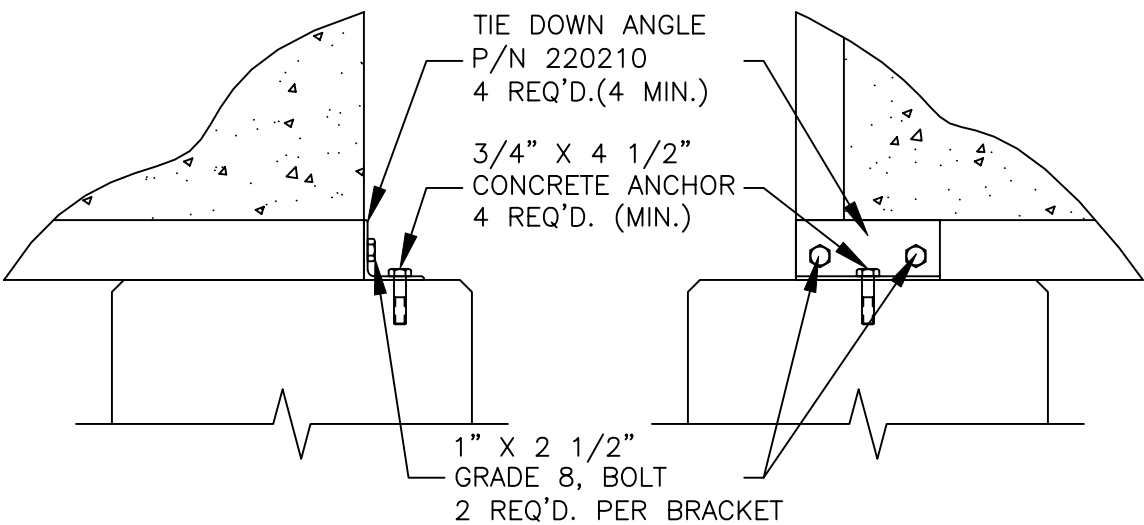
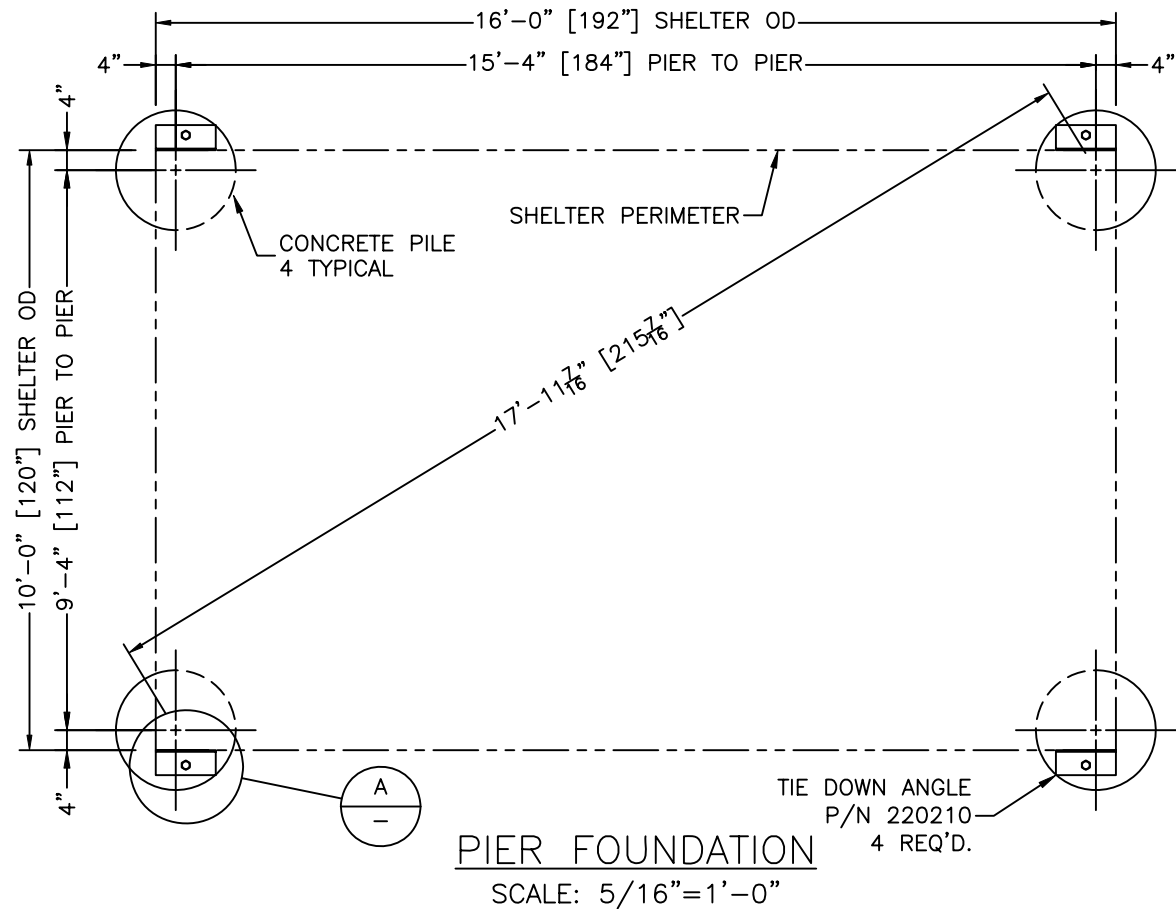
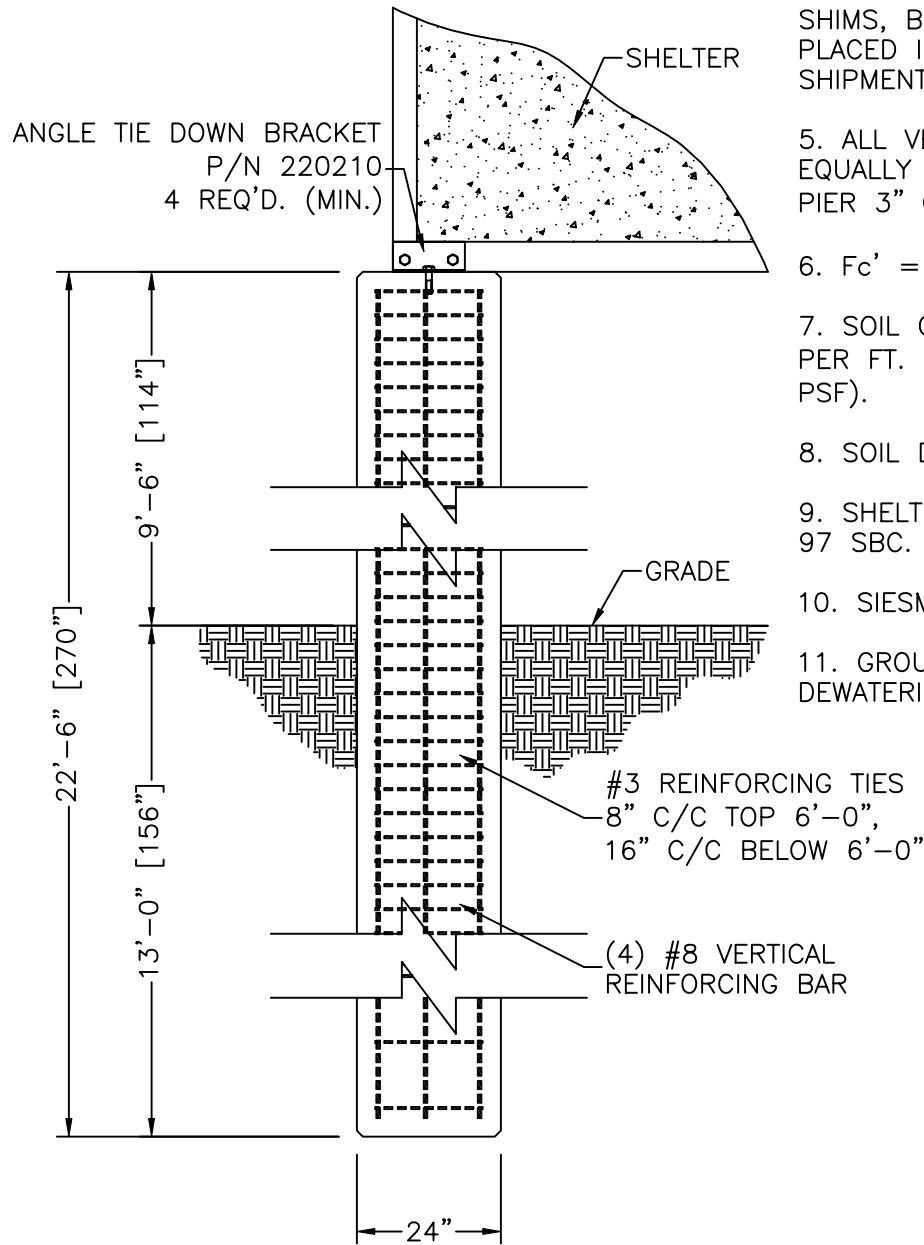
REV:  
T

TRITEL PROJECT NO. 315-004-R2A  
VANGUARD TOWERS-SOUTH NATCHEZ

P	CTF	12/26/00	ADDED SHEET TO SET	VGH	12/26/00
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

NOTES:

1. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2500 PSF AT BOTTOM OF PIER.
2. TOP OF PIERS MUST BE LEVEL  $\pm 1/4"$
3. ALL REINFORCING BAR MUST BE GRADE 60 PER ASST. A615.
4. ALL REQUIRED TIE DOWN ANGLES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.
5. ALL VERTICAL REINFORCING BAR IS EQUALLY SPACED AROUND PERIMETER OF PIER 3" CLEAR.
6.  $F_c' = 3000$  PSI @ 28 DAYS
7. SOIL COHESION IS ASSUMED AT 50 PSF PER FT. OF DEPTH (NOT TO EXCEED 250 PSF).
8. SOIL DENSITY IS 60 PCF OR GREATER.
9. SHELTER WIND LOAD IS 100 MPH PER 97 SBC.
10. SIESMIC IS  $A_v=.05$  AND  $A_a=.05$
11. GROUND WATER IS AT 12 FEET. DEWATERING MAY BE REQUIRED.



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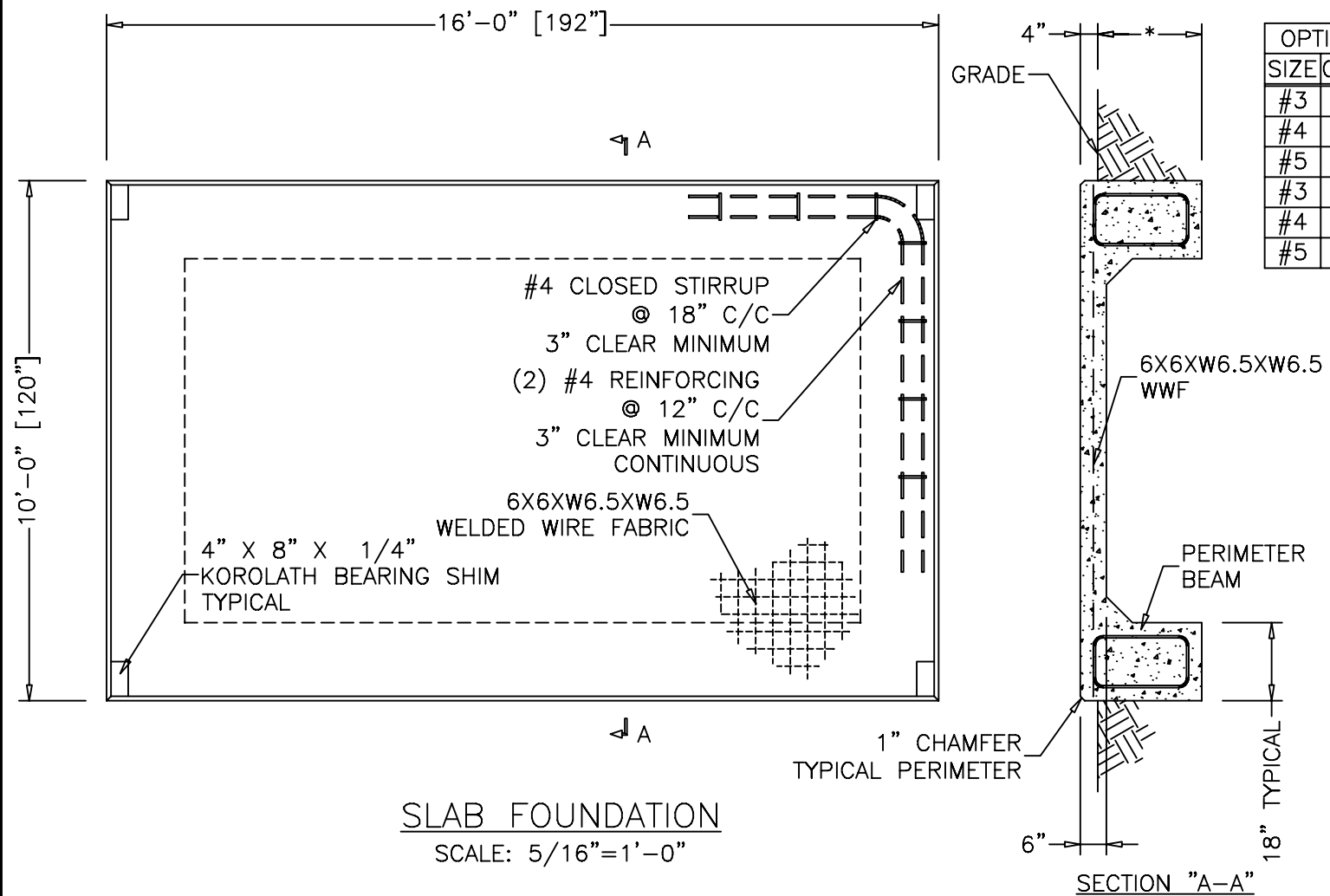
TRITEL

PROJECT:

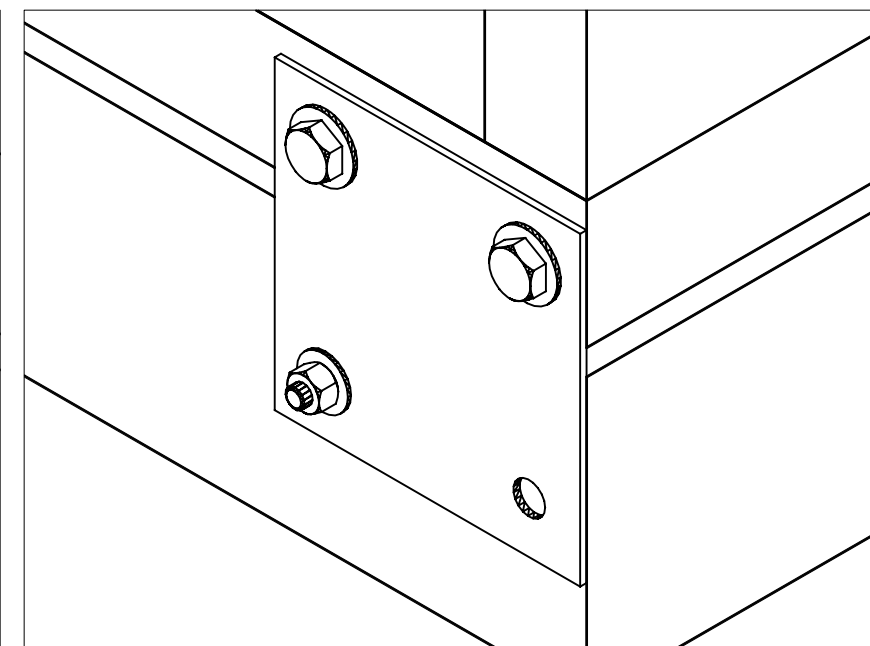
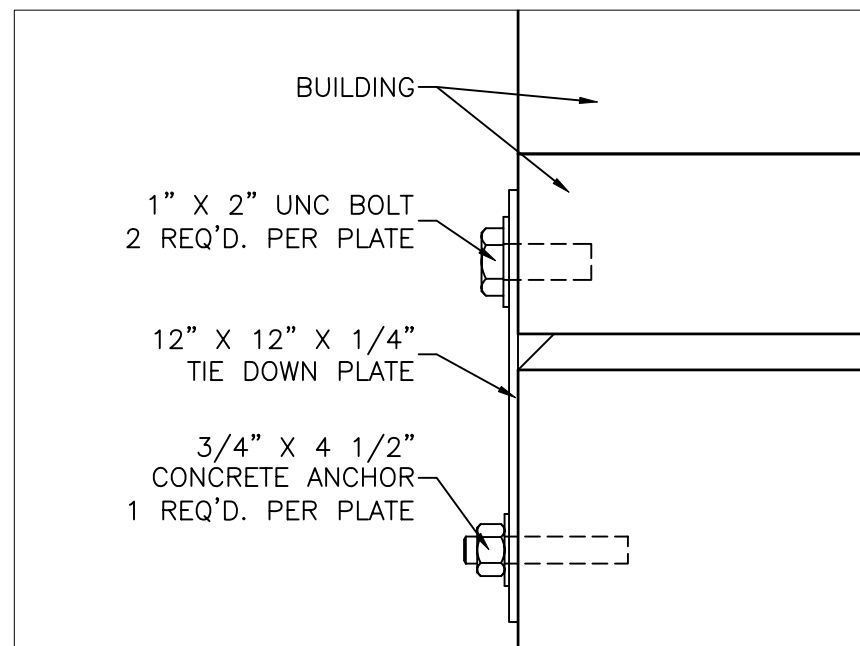
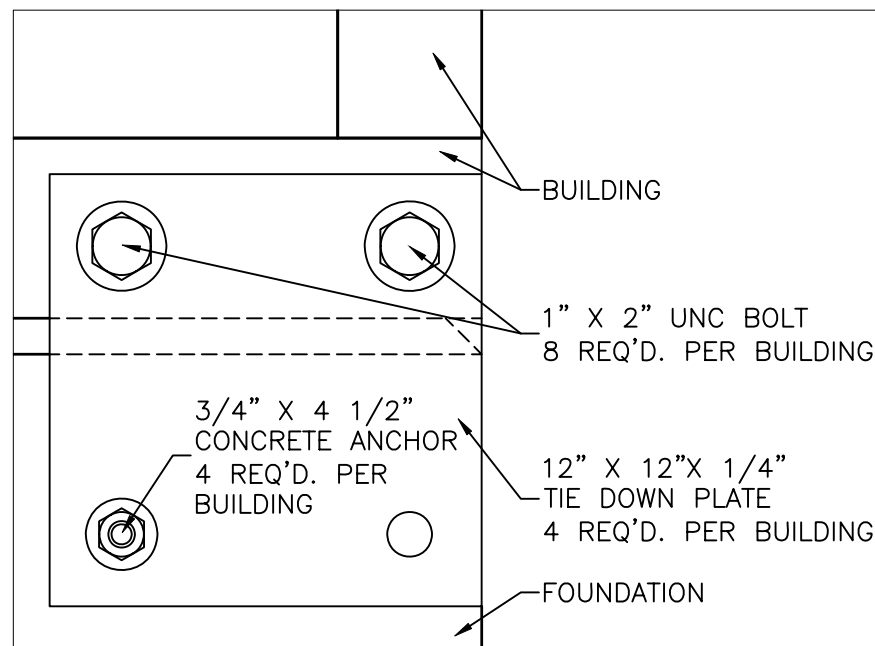
10'-0" X 16'-0"  
CONCRETE SHELTER  
22'-6" PIER  
FOUNDATION PLAN

FILENAME:

SCALE: NOTED	TOLERANCE: NOTED
DRWN. BY: C. FOSTER	DATE: 9/18/01
CHK. BY: V. HASSELL	DATE: 9/18/01
ENG. BY: K. BARNETT	DATE: 9/18/01
APP. BY: M. MAYFIELD	DATE: 9/18/01
SHEET NO.: 6-3	PART NO.:
DRAWING NO.: STTL20	REV: T



TRITEL SITE: 449-033-00B  
VERONA



#### NOTES:

1. WELDED WIRE FABRIC OR OPTIONAL REINFORCING BAR MAY BE USED AS AVAILABLE. SEE CHART FOR SIZE, GRADE, AND SPACING OF REBAR.
2. \* = 24" MINIMUM OR 6" BELOW FROST DEPTH, WHICHEVER IS GREATER.
3. FINAL FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE SITE CONTRACTOR.
4. SLAB TOLERANCE IS  $\pm 1/4"$
5. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF THE SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 700 PSF.
6. ALL REBAR TO BE GRADE 40 MINIMUM UNLESS OTHERWISE SPECIFIED.
7. W6.5 AS SPECIFIED FOR THE WWF HAS 0.288" DIAMETER.
8. WWF IS 60 KSI MINIMUM.
9. OVERLAP SPLICES ARE ALLOWED FOR REINFORCING BAR, USE 18" MINIMUM LAP.
10. ALL REQUIRED TIE DOWN PLATES, SHIMS, BOLTS, AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.

ENGINEER SEAL

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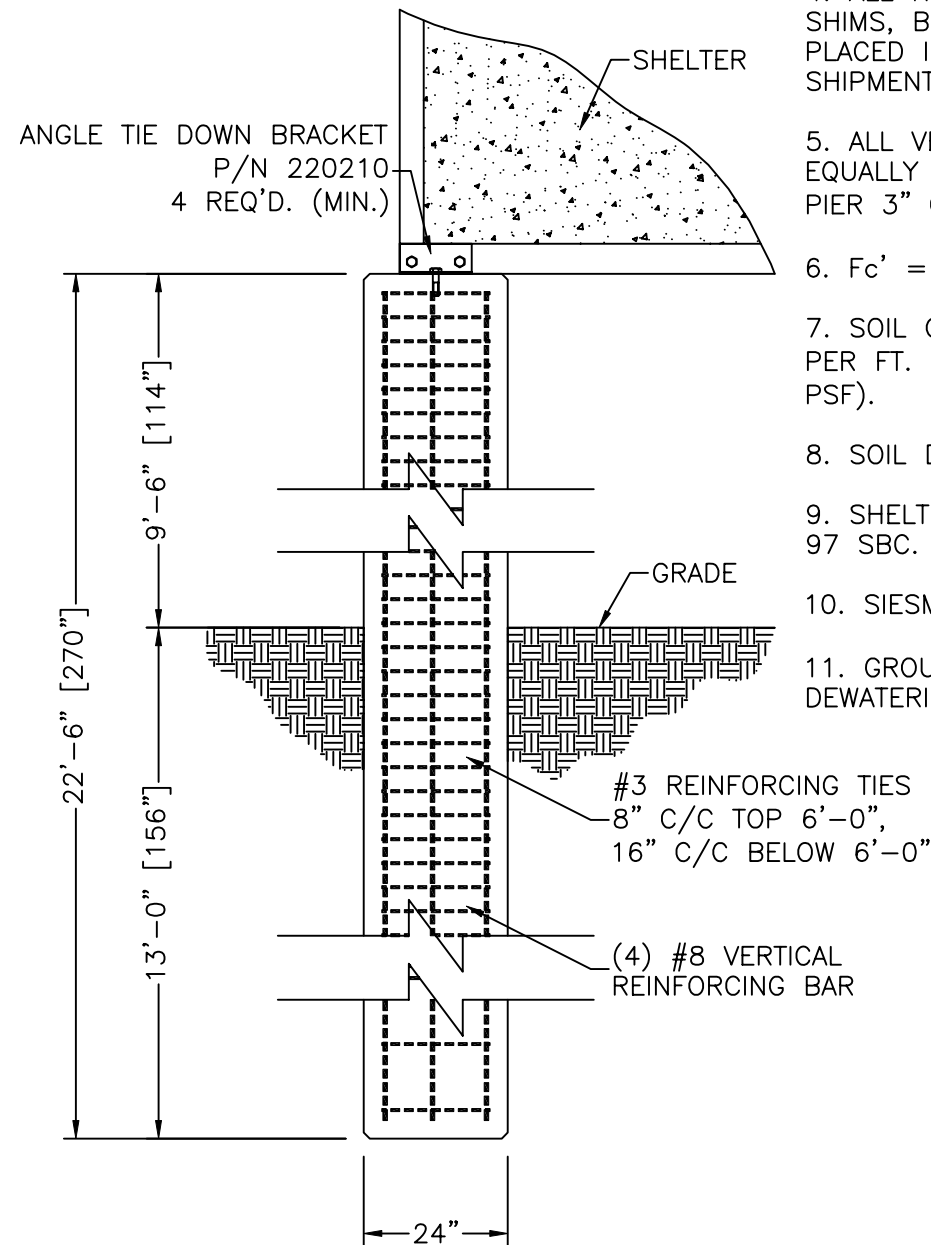
TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
FOUNDATION PLAN  
TYPE I

FILENAME:

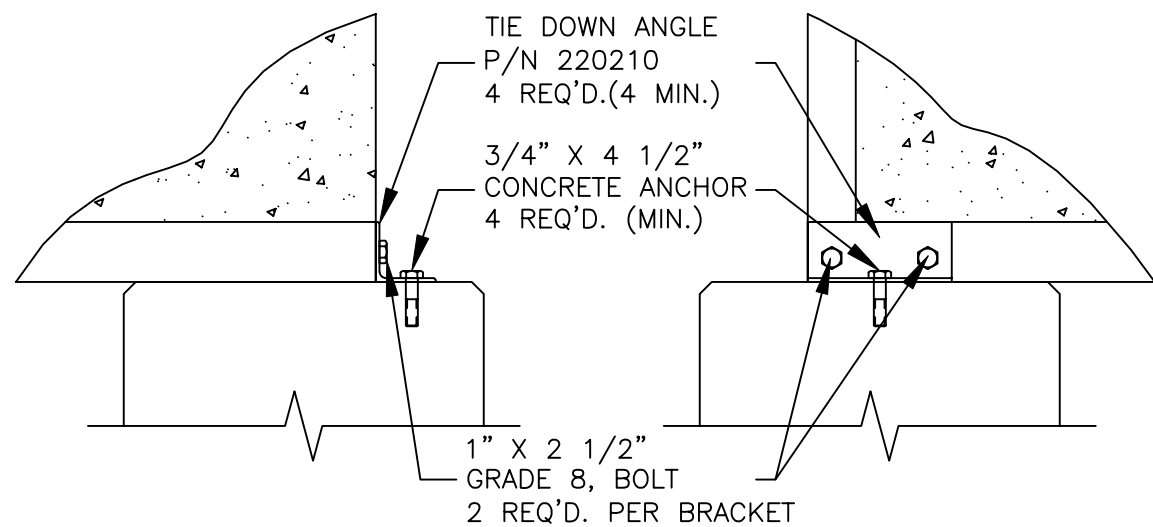
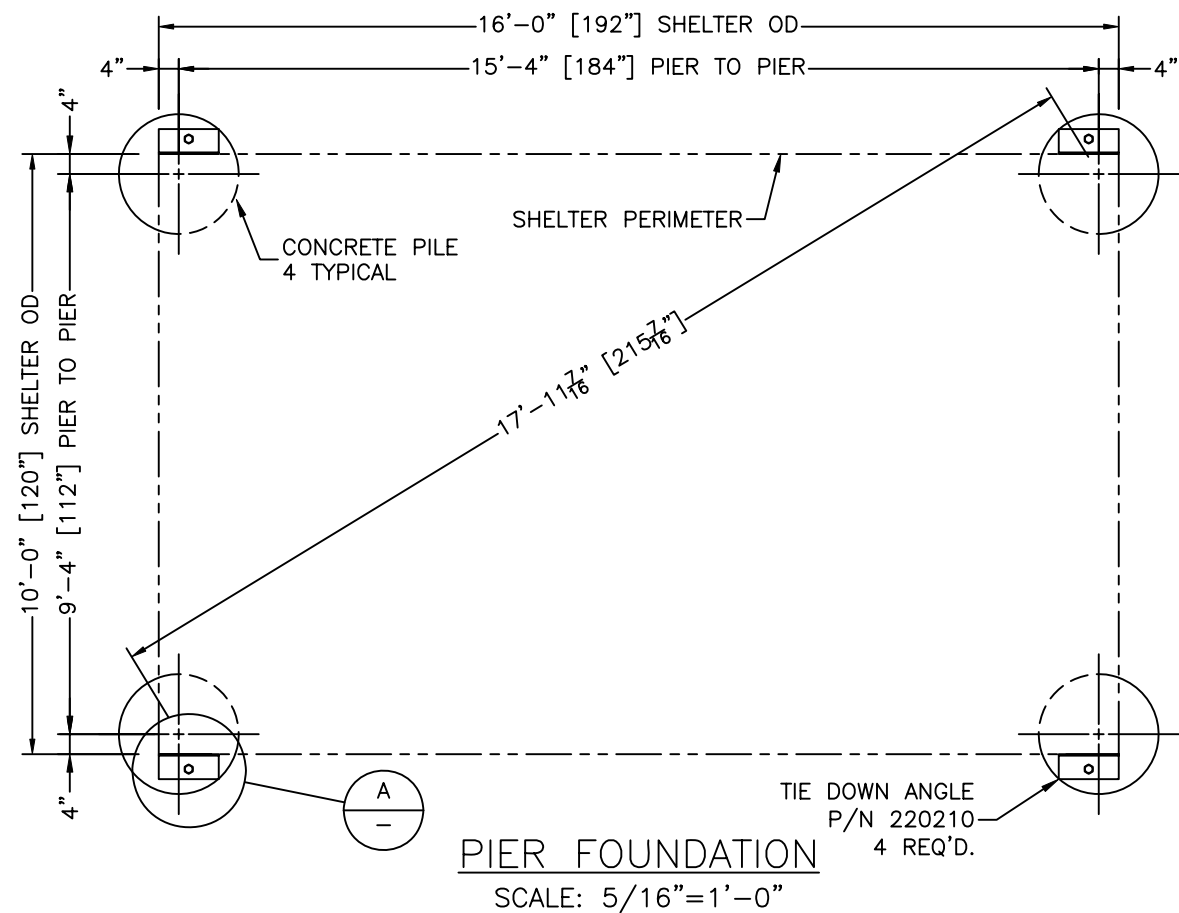
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DRWN. BY: C. FOSTER	DATE: 9/25/01
CHK. BY: V. HASSELL	DATE: 9/25/01
ENG. BY: K. BARNETT	DATE: 9/25/01
APP. BY: J. HOOD	DATE: 9/25/01
SHEET NO.: 6-4	PART NO.:
DRAWING NO.: STTL20	REV: T



ELEVATION VIEW  
SCALE: 3/8"=1'-0"

NOTES:

1. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2500 PSF AT BOTTOM OF PIER.
2. TOP OF PIERS MUST BE LEVEL  $\pm 1/4"$
3. ALL REINFORCING BAR MUST BE GRADE 60 PER ASST. A615.
4. ALL REQUIRED TIE DOWN ANGLES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.
5. ALL VERTICAL REINFORCING BAR IS EQUALLY SPACED AROUND PERIMETER OF PIER 3" CLEAR.
6.  $F_c' = 3000$  PSI @ 28 DAYS
7. SOIL COHESION IS ASSUMED AT 50 PSF PER FT. OF DEPTH (NOT TO EXCEED 250 PSF).
8. SOIL DENSITY IS 60 PCF OR GREATER.
9. SHELTER WIND LOAD IS 100 MPH PER 97 SBC.
10. SIESMIC IS  $A_v=.05$  AND  $A_a=.05$
11. GROUNDWATER IS AT 12'-0". DEWATERING WILL BE REQUIRED.



DETAIL "A"  
SCALE: 3/4"=1'-0"

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CUSTOMER:

TRITEL

PROJECT:

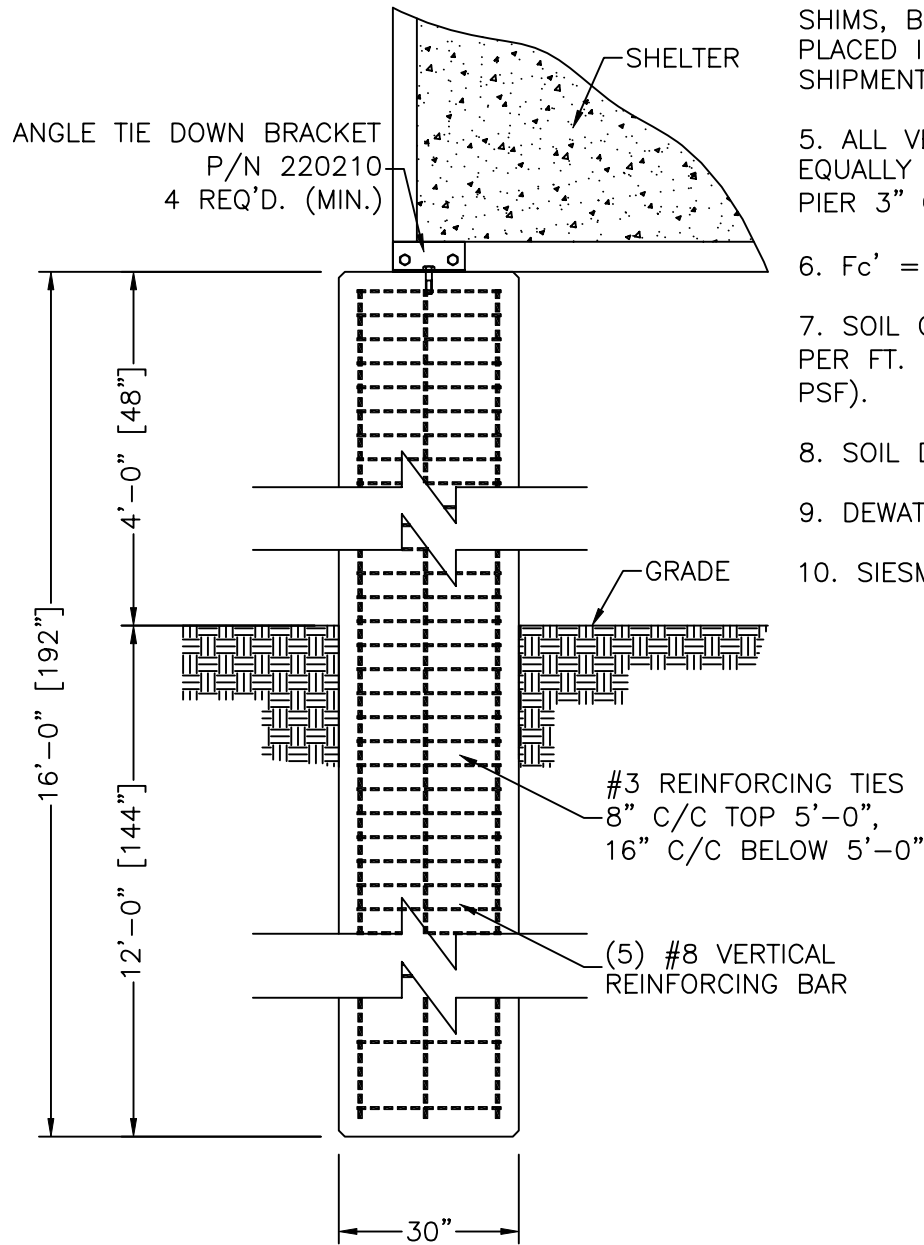
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CONCRETE SHELTER  
22'-6" PIER  
FOUNDATION PLAN

FILENAME:

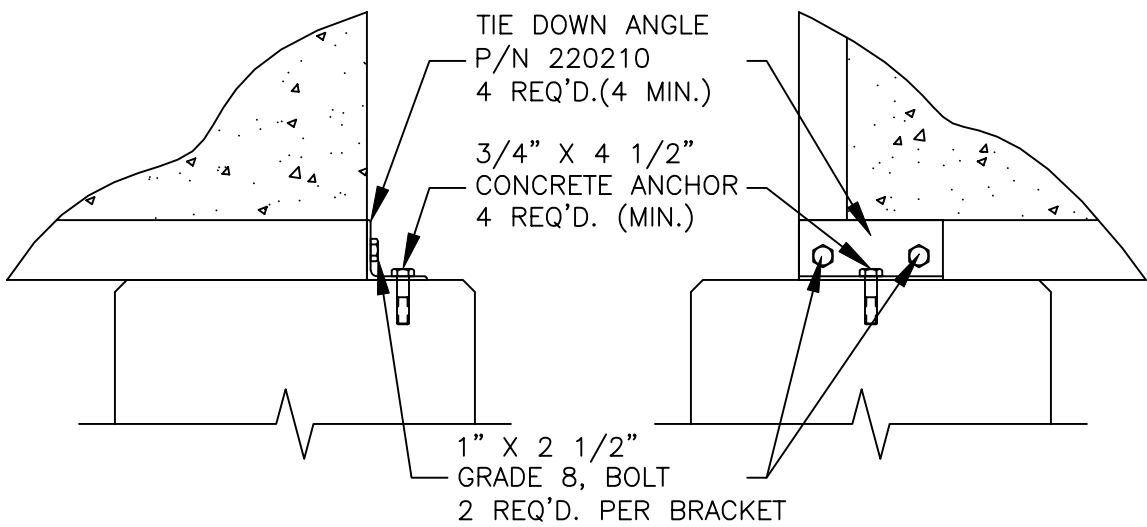
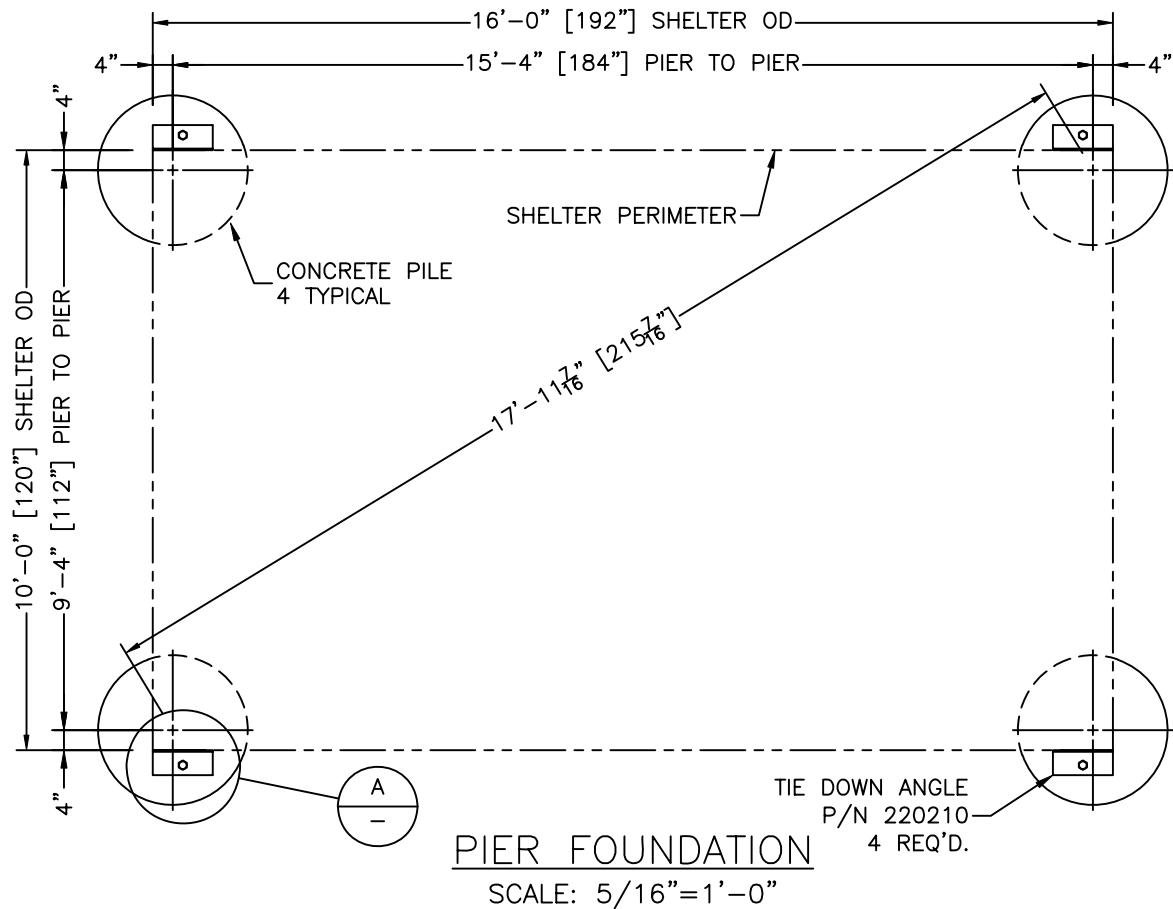
SCALE: NOTED	TOLERANCE: NOTED
DRWN. BY: S. MARTIN	DATE: 12/4/00
CHK. BY: V. HASSELL	DATE: 12/4/00
ENG. BY: K. BARNETT	DATE: 12/4/00
APP. BY: M. MAYFIELD	DATE: 12/4/00
SHEET NO.: 6-5	PART NO.:
DRAWING NO.: STTL20	REV: T

NOTES:

1. ADDITIONAL ENGINEERING REVIEW IS REQUIRED IF SHELTER FOUNDATION IS PLACED ON SOIL WITH A BEARING CAPACITY LESS THAN 2250 PSF AT BOTTOM OF PIER.
2. TOP OF PIERS MUST BE LEVEL  $\pm 1/4"$
3. ALL REINFORCING BAR MUST BE GRADE 60 PER ASST. A615.
4. ALL REQUIRED TIE DOWN ANGLES, SHIMS, BOLTS AND ANCHORS SHALL BE PLACED INSIDE SHELTER PRIOR TO SHIPMENT FROM MANUFACTURER.
5. ALL VERTICAL REINFORCING BAR IS EQUALLY SPACED AROUND PERIMETER OF PIER 3" CLEAR.
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8. SOIL DENSITY IS 100 PCF OR GREATER.
9. DEWATERING WILL BE REQUIRED.
10. SIESMIC IS  $A_v=.05$  AND  $A_a=.05$



ELEVATION VIEW  
SCALE: 3/8"=1'-0"



DETAIL "A"  
SCALE: 3/4"=1'-0"

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CUSTOMER:

TRITEL

PROJECT:

10'-0" X 16'-0"  
CONCRETE SHELTER  
11'-6" PIER  
FOUNDATION PLAN

FILENAME:

SCALE: NOTED	TOLERANCE: NOTED
DRWN. BY: S. MARTIN	DATE: 12/4/00
CHK. BY: V. HASSELL	DATE: 12/4/00
ENG. BY: K. BARNETT	DATE: 12/4/00
APP. BY: M. MAYFIELD	DATE: 12/4/00
SHEET NO.: 6-6	PART NO.:
DRAWING NO.: STTL20	REV: T

MATERIAL LIST		
ITEM NO.	DESCRIPTION	PART NO.
1	CABLE TRAY (SIZE VARIES)	VARIES
2	3/8" X 2" LAG SCREW	164263
3	#6 X 1 1/4" GALV. SCREW	168022
4	5/8" SPRING LESS TWIRL NUT	168048
5	5/8" SQ. YELLOW ZINC WASHER	510012
6	5/8" HEX YELLOW ZINC NUT	510013
7	HANGING BRACKET	510011
8	5/8" ALL-THREAD CAP	510021
9	5/8" ZINC PLATED ALL-THREAD	168025
10	3/8" X 2 1/4" BOLT	510010
11	STRAIGHT CLAMP	510010
12	3/8" X 1 1/2" BOLT	510002
13	CORNER CLAMP	510002
14	1/4" X 2 1/4" J-BOLT	510004
15	3/8" FLAT WASHER	168038
16	WALL ANGLE (SIZE VARIES)	VARIES
17	3/8" HEX NUT	168039
18	WALL S CLAMP	510014
19	CLOSING BAR	VARIES
20	1/4" X 1" FENDER WASHER	168052
21		
22		
23		
24		
25		

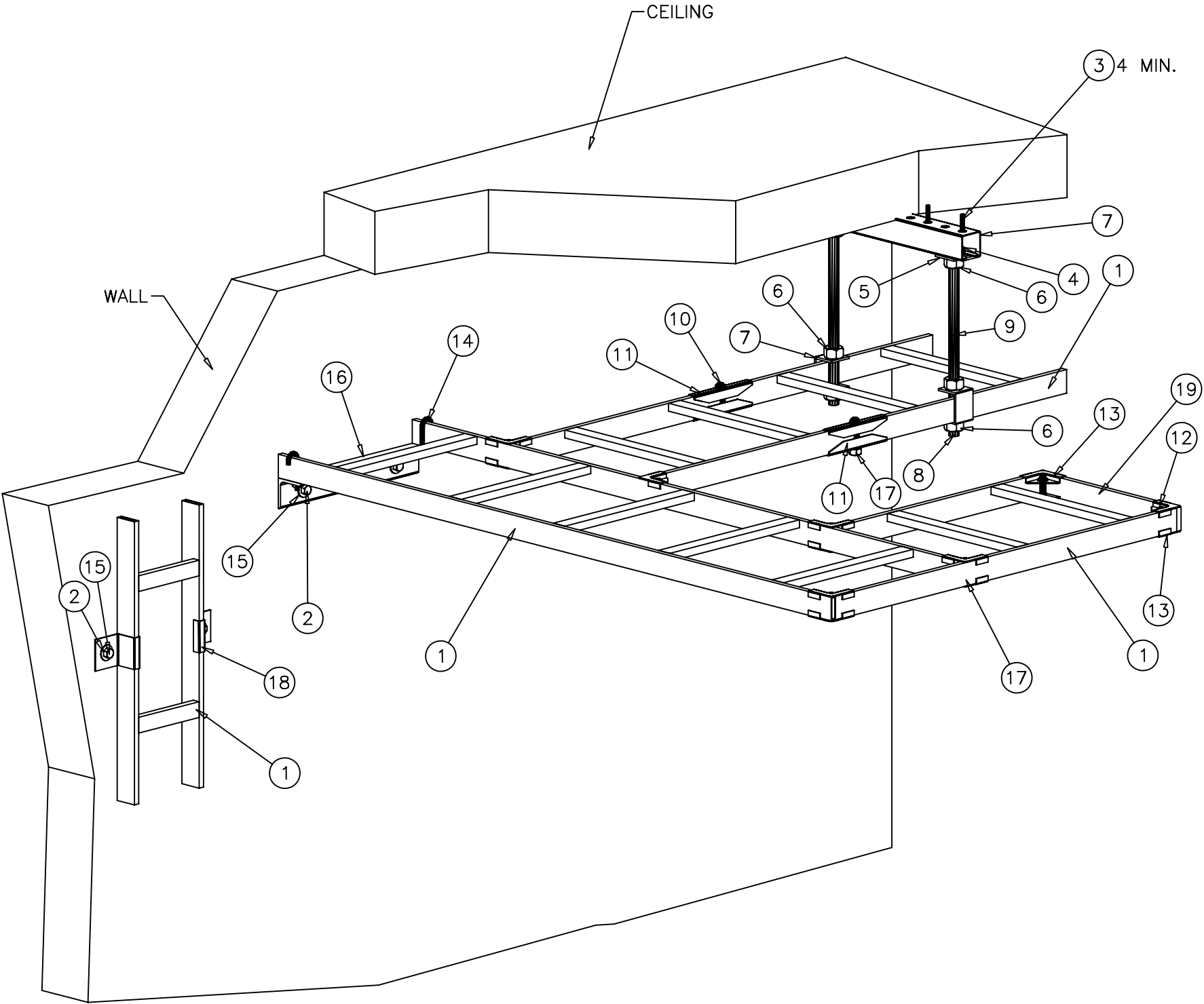
NOTES:

1. PARTS AND DETAILS SHOWN ARE TYPICAL. SOME PARTS AND DETAILS MAY BE OMITTED.

2. CABLE TRAY FINISH, SIZES AND LOCATION MAY VARY. REFER TO CEILING VIEW, INTERIOR ELEVATIONS AND/OR ITEM LIST FOR LOCATIONS AND SIZES.

3. HANGING BRACKET ASSEMBLY MAY VARY IN LOCATION.

4. CLOSING BARS ARE USED TO TERMINATED CABLE TRAY RUN AS REQUIRED.



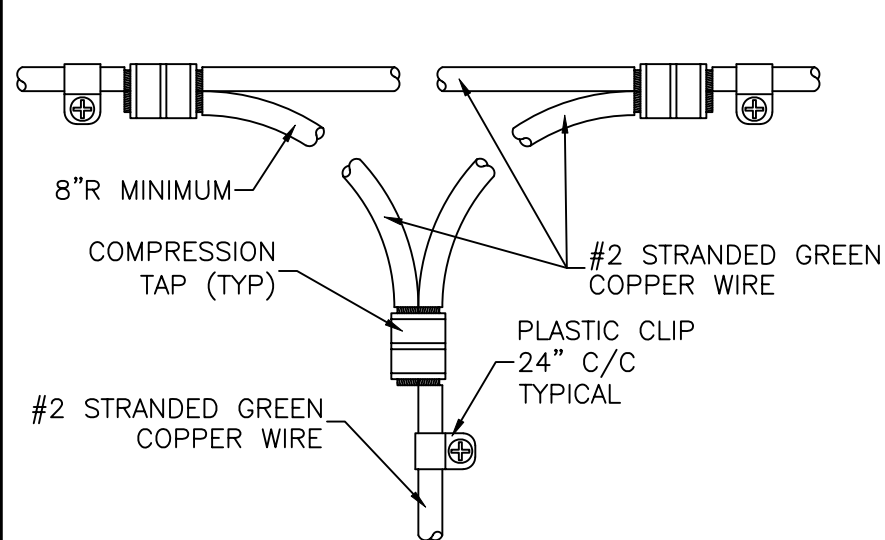
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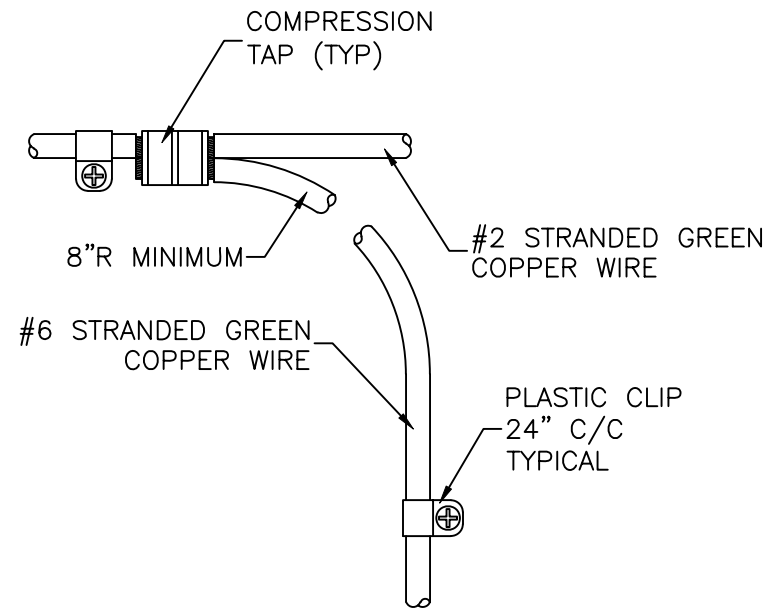
CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER CABLE TRAY DETAILS**

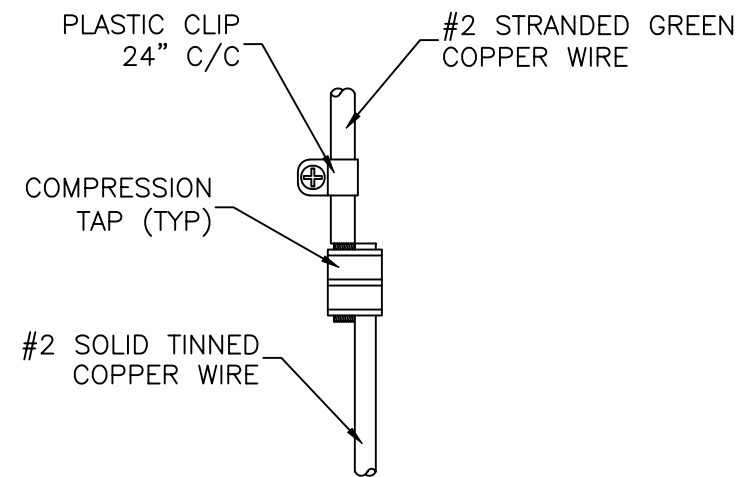
FILENAME: TTL20\TTL207-0	
SCALE: 1/8" = 1'-0"	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/12/99
CHK. BY: V. HASSELL	DATE: 11/12/99
ENG. BY: K. BARNETT	DATE: 11/12/99
APP. BY: M. MAYFIELD	DATE: 11/12/99
SHEET NO. 7-0	
DRAWING NO.: STTL20	T



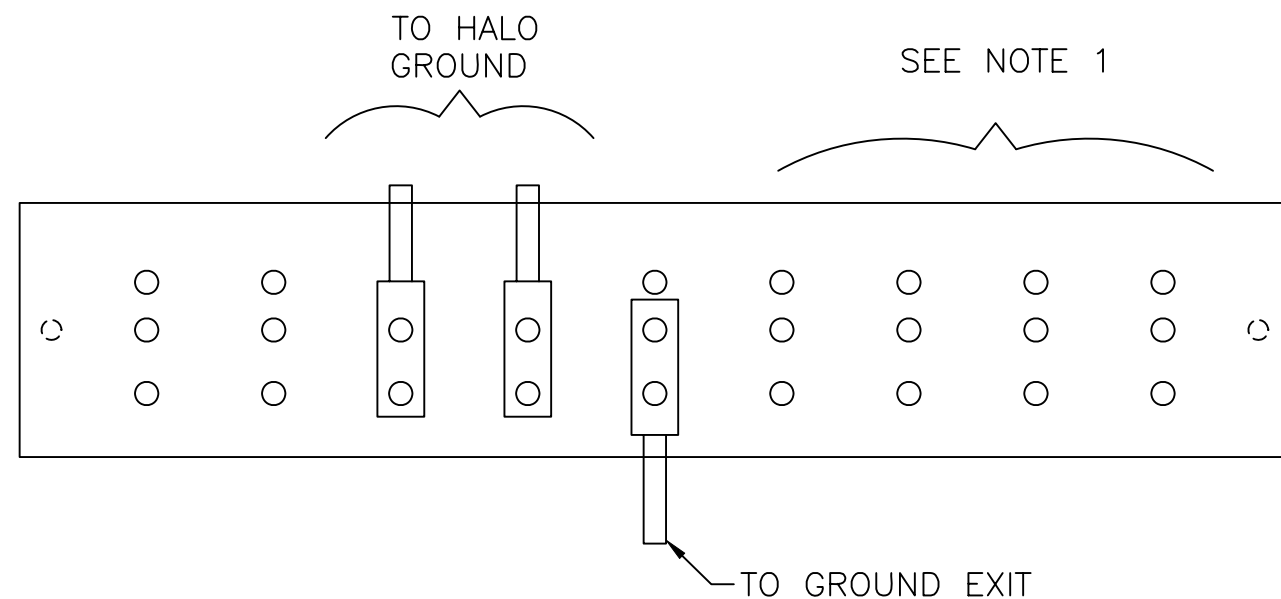
DETAIL "G1"  
N.T.S.



DETAIL "G2"  
N.T.S.



DETAIL "G3"  
N.T.S.



DETAIL "G4"  
N.T.S.

NOTES:

1. GSM RACK GROUNDING TO BE LOCATED TO RIGHT OF GROUND BAR.

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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:  
10'-0" X 12'-0"  
EQUIPMENT SHELTER  
HALO GROUND  
DETAILS

FILENAME: TTL20\STTL207-1	
SCALE: N.T.S.	TOLERANCE:
DRWN. BY: M. CROW	DATE: 4/19/02
CHK. BY: V. HASSELL	DATE: 4/19/02
ENG. BY: K. BARNETT	DATE: 4/19/02
APP. BY: M. MAYFIELD	DATE: 4/19/02
SHEET NO. 7-1	
DRAWING NO.: STTL20	T

S	MRC	4/18/02	REVISED PRINT: ADDED ITEMS "G3" AND "G4"	VGH	4/18/02
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



GENERAL NOTES:

- 1.) ALL STEEL FABRICATION AND INSTALLATION SHALL BE DONE IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL AND AWS D1.1 SPECIFICATIONS.
- 2.) ALL WELDING SHALL BE MIG TYPE WITH THE FOLLOWING OPERATING SETTINGS.
- WIRE SIZE -----0.35  
WIRE FEED SPEED (in/min) -----5  
VOLTAGE, DC (+) -----18.5  
AMPERAGE, DC -----140  
TRAVEL SPEED (in/min) -----10-12  
SHIELDING GAS -----75/25
- 3.) STRUCTURAL STEEL SPECIFICATIONS:
- STEEL DECK AND COLD FORMED SHAPES ASTM A446 GRADE D  
STRUCTURAL SHAPES ASTM A36  
HIGH STRENGTH BOLTS, ASTM A325  
OTHER BOLTS, SAE J429 GRADE 5  
STRUCTURAL TUBING ASTM A500 GRADE B
- 4.) ALL CONCRETE WORK SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (A.C.I.) BUILDING CODES 318 & 211, AND ASTM STANDARDS C-172, C-31, C-39, AND PROVISIONS OF C-94.
- 5.) ALL PRECAST STRUCTURAL LIGHTWEIGHT CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
- 6.) ALL REINFORCING STEEL BARS SHALL BE DOMESTIC, NEW BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60 SPECIFICATIONS.
- 7.) CONCRETE COVERAGE OVER ALL REINFORCING STEEL SHALL BE A MINIMUM OF 3/4".
- 8.) ALL REBAR SHALL BE TIED 100% AT THE PERIMETER, AND 50% ELSEWHERE.
- 9.) ALL REBAR WIRE TIES TO BE 16 GUAGE.
- 10.) FIBROUS REINFORCED LIGHTWEIGHT CONCRETE MAY BE USED IN THE ROOF AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS. FIBER REINFORCEMENT MAY BE USED IN THE FLOOR IF DESIRED. IN ORDER TO MAKE BATCHING OPERATION MORE EFFICIENT.
- 11.) CELLXION CONCRETE EQUIPMENT SHELTERS ARE DESIGNED TO CONTAIN COMMUNICATION EQUIPMENT AND ARE INTENDED TO BE UNMANNED.
- 12.) WELD PLATE CONNECTIONS SHALL BE SPACED AT 4'-8" MAXIMUM ON THE FLOOR AND ROOF PANELS. THIS DIMENSION SHALL BE MAINTAINED EXCEPT IN CASES WHERE OPENINGS PROHIBIT.
- 13.) TOLERANCES SHALL BE AS FOLLOWS:  
PANEL THICKNESS - ±1/8"  
PANEL SIZE - ±1/16"  
PANEL SQUARENESS - ±1/8" AGREEMENT ON DIAGONALS  
LOCATION OF BLOCKOUTS & PVC'S - ±1/4"  
BLOCKOUT DIMENSIONS - +1/4", -0"  
PVC SIZE - USE TRADE SIZE AS LISTED ON PROJECT DRAWINGS
- 14.) SECTIONS & DETAILS MAY BE FOUND ON THE FOLLOWING SHEETS.

GENERAL: THESE REBAR SIZES AND SPACINGS REPRESENT THE MINIMUM AMOUNT FOR ALL CASTING PLANS. PROJECT DRAWINGS MAY REQUIRE REINFORCEMENT IN ADDITION TO CELLXION STANDARDS.

ROOF PANEL: #4 (SHORT AXIS) 12" O.C. AND #4 (LONG AXIS) AT 18" O.C.

WALL PANEL: #4 AT PERIMETER AND 4x4-W4.5xW4.5 MESH THROUGHOUT.

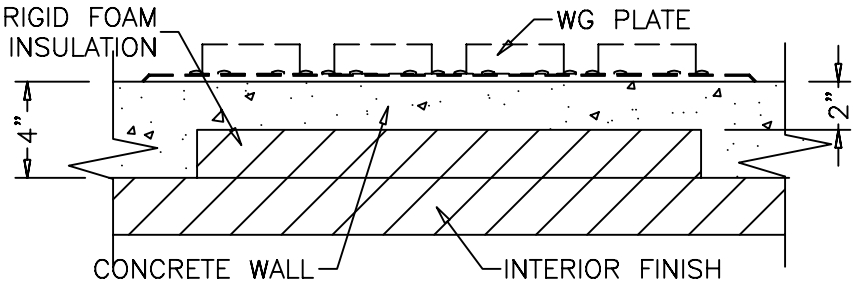
WALL OPENNINGS: SEE DETAIL P & Q (SHEET NO. 6)

FLOOR: (2)-#6 (SHORT AXIS) EACH RIB, #6 (LONG AXIS) EACH RIB AND AT PERIMETER. DECK: 4x4-W4.5xW4.5 MESH.

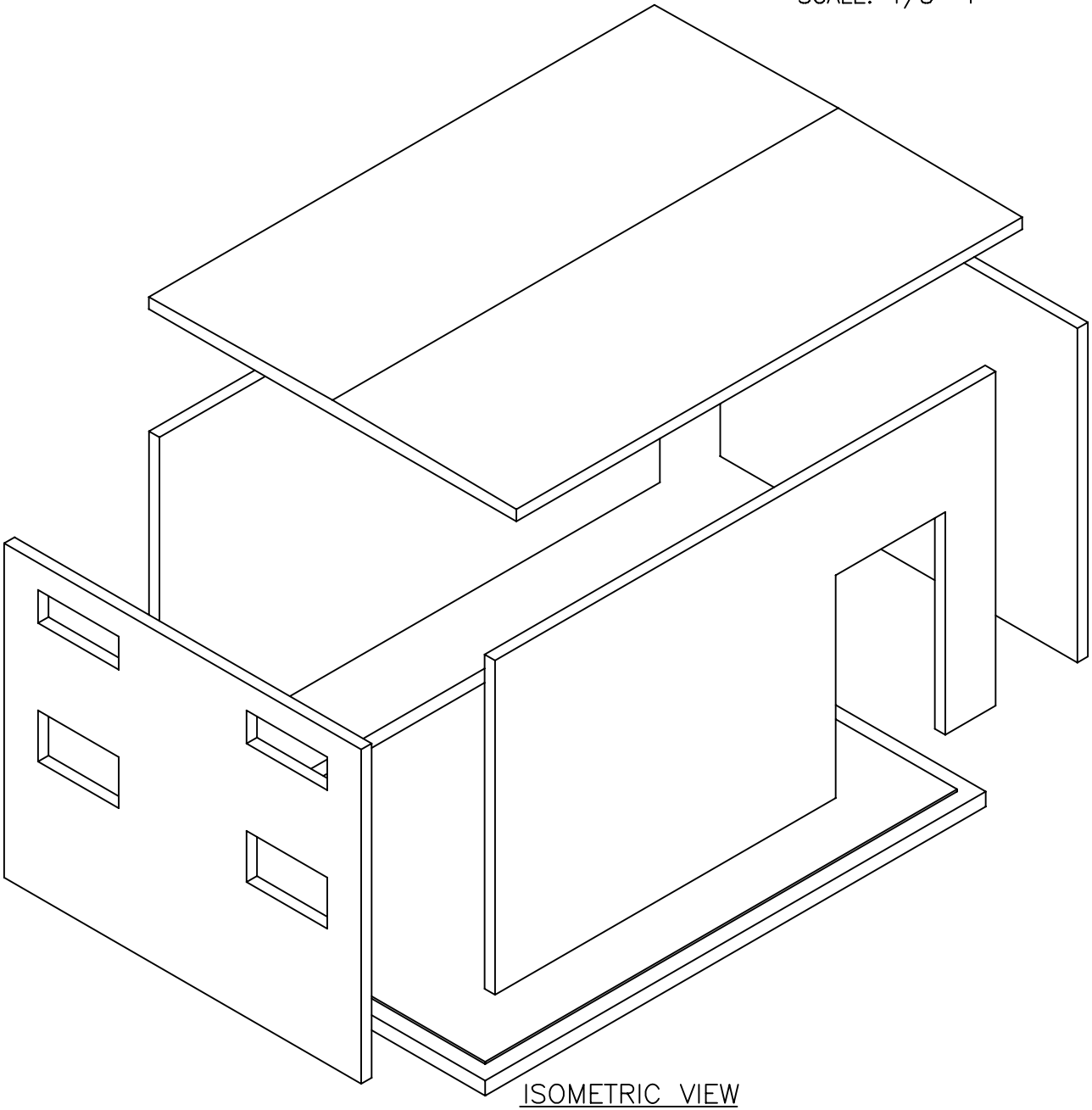
WELD PLATES : 1/4"x3"x3", A36 STEEL.

SEALANT APPLICATION

- STEP 1. URETHANE SEALANT REQUIRED ON ALL JOINTS.
- STEP 2. ROOF MEMBRANE  
APPLY SEALER TO ROOF PER MFG. DIRECTIONS.  
USE 1 GALLON PER 70 SQ. FEET.
- STEP 3. APPLY AGGREGATE SEALER TO EXTERIOR WALLS.  
USE 1 GALLON PER 200 SQ. FEET.
- STEP 4. USE TEXTURED SEALER ON ALL SMOOTH EXPOSED SURFACES.  
USE CEMENTITIOUS GRAY PAINT.



FUTURE WAVEGUIDE DETAIL  
SCALE: 1/8"=1"



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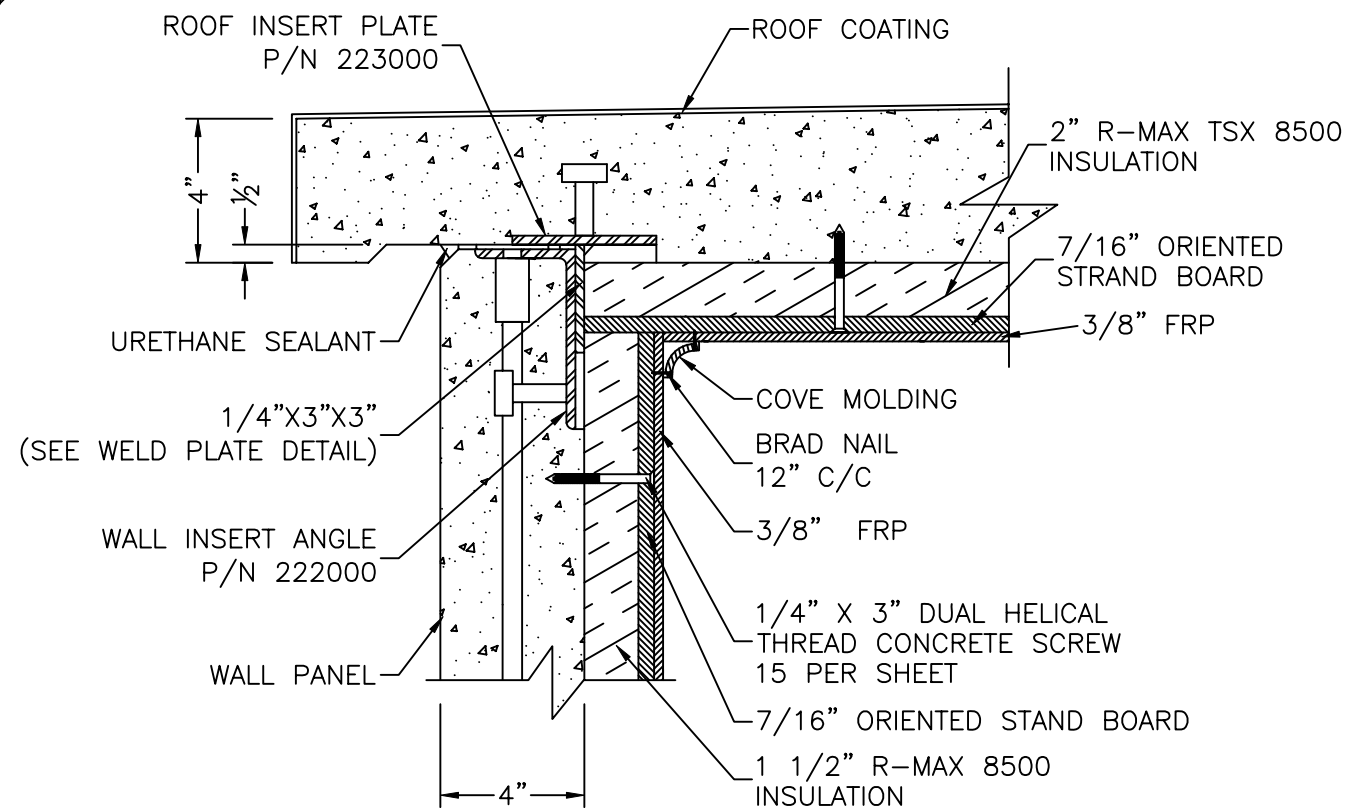
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CUSTOMER:

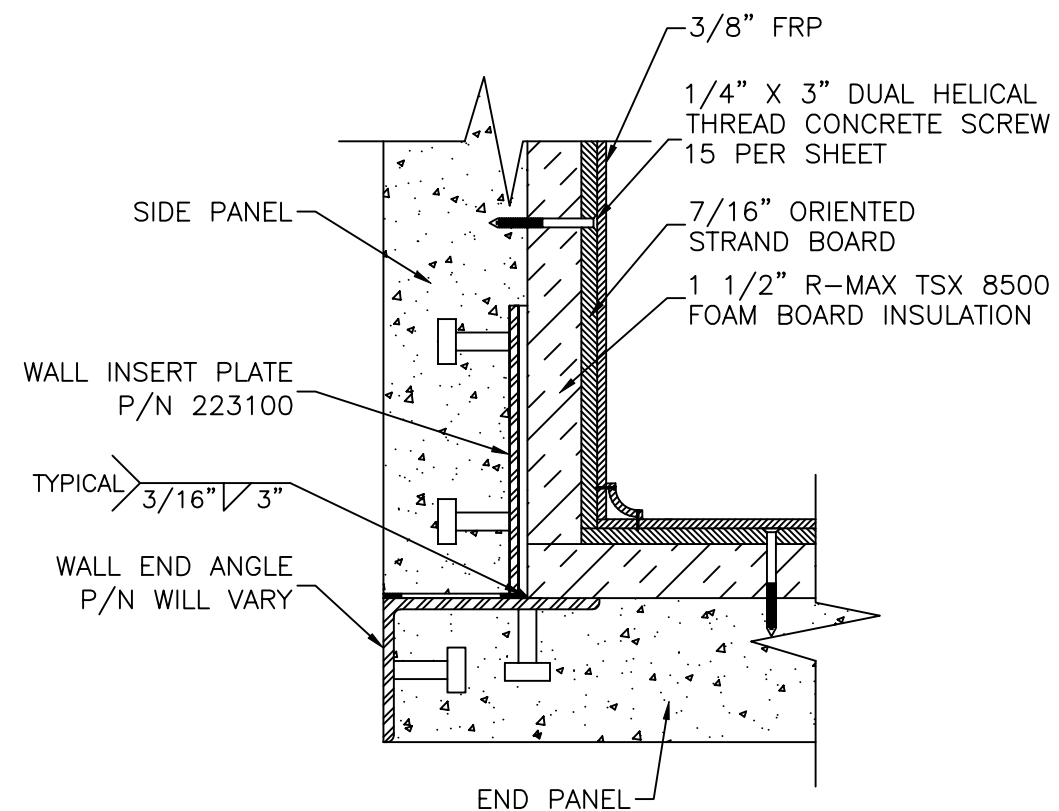
TRITEL  
COMMUNICATIONS

PROJECT:  
10'-0" X 16'-0"  
EQUIPMENT SHELTER  
STRUCTURAL  
SPECIFICATIONS

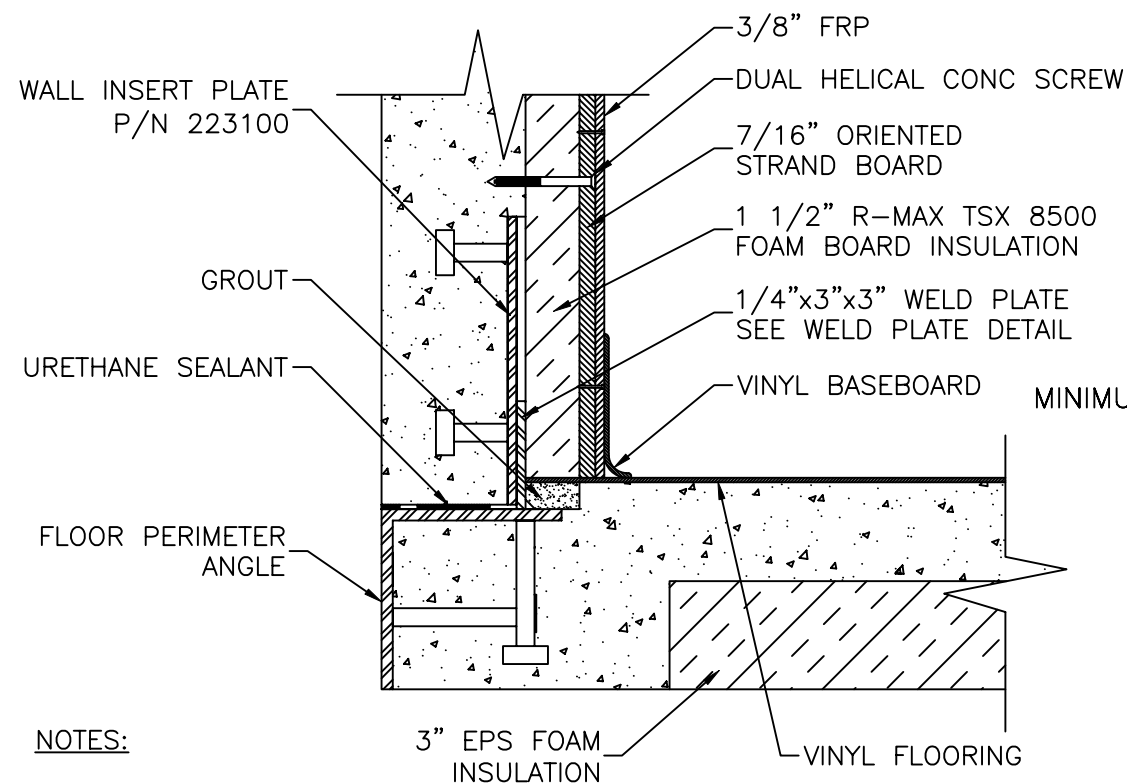
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SCALE: N.T.S.	TOLERANCE:
DRWN. BY: V. HASSELL	DATE: 11/12/99
CHK. BY: V. HASSELL	DATE: 11/12/99
ENG. BY: K. BARNETT	DATE: 11/12/99
APP. BY: M. MAYFIELD	DATE: 11/12/99
SHEET NO. S0-0	
DRAWING NO.: STTL20	T



SECTION "F1"  
WALL/ROOF CONNECTION



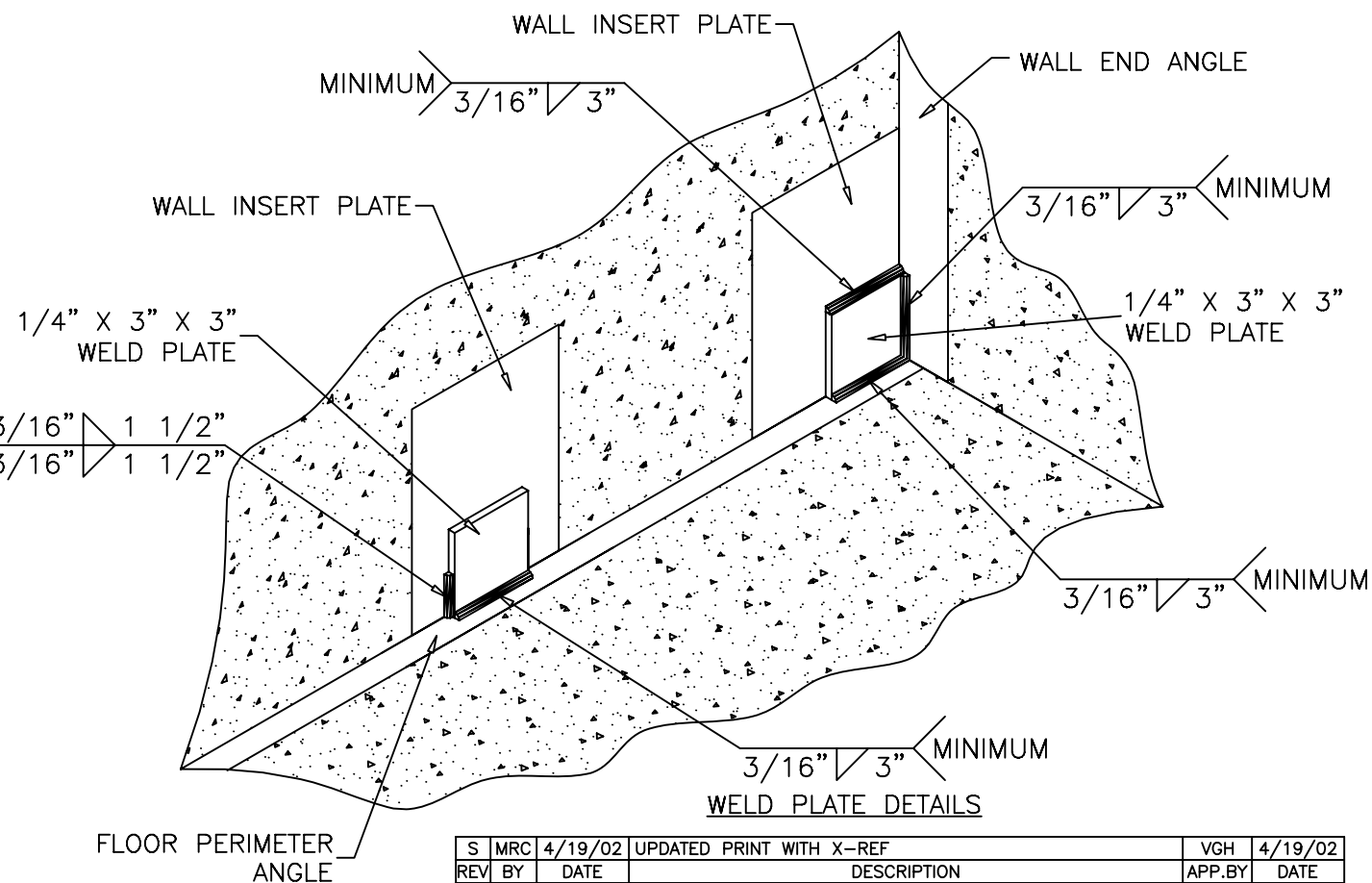
SECTION "F3"  
WALL/WALL CONNECTION



SECTION "F2"  
WALL/FLOOR CONNECTION

NOTES:

1. FRP HAS A  
FLAMESPREAD OF 195.



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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
FINISH DETAILS

FILENAME:

TTL20\TTL20S1-0

SCALE:

N.T.S.

TOLERANCE:

DRWN. BY:

M. CROW

DATE:

12/13/00

CHK. BY:

V. HASSELL

DATE:

12/13/00

ENG. BY:

K. BARNETT

DATE:

12/13/00

APP. BY:

J. HOOD

DATE:

12/13/00

SHEET NO.

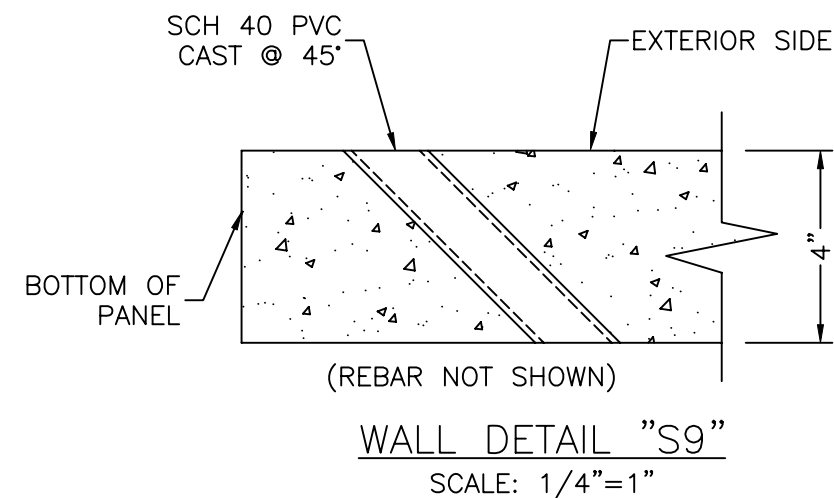
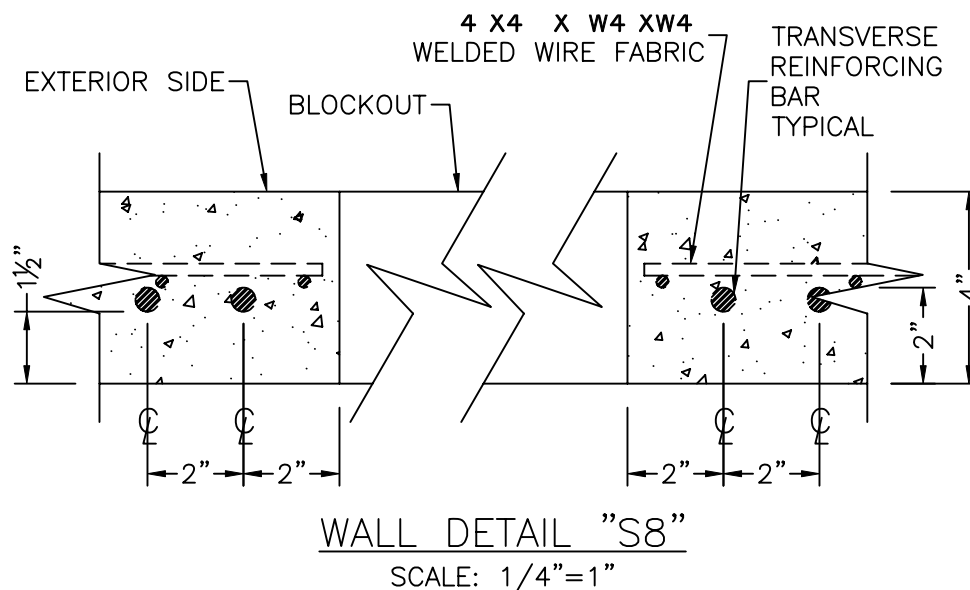
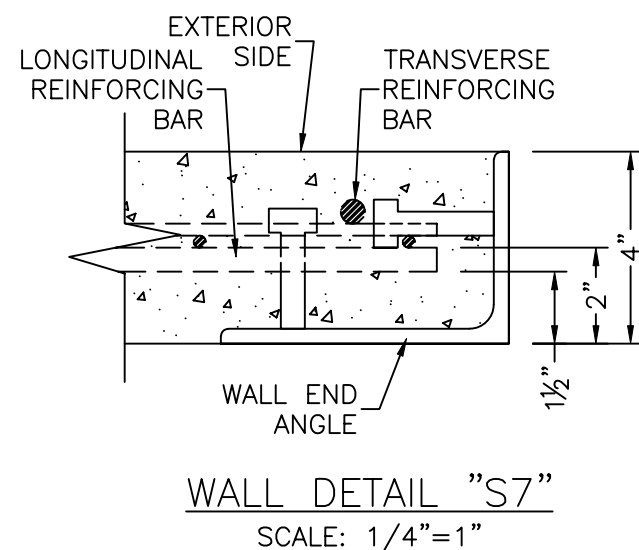
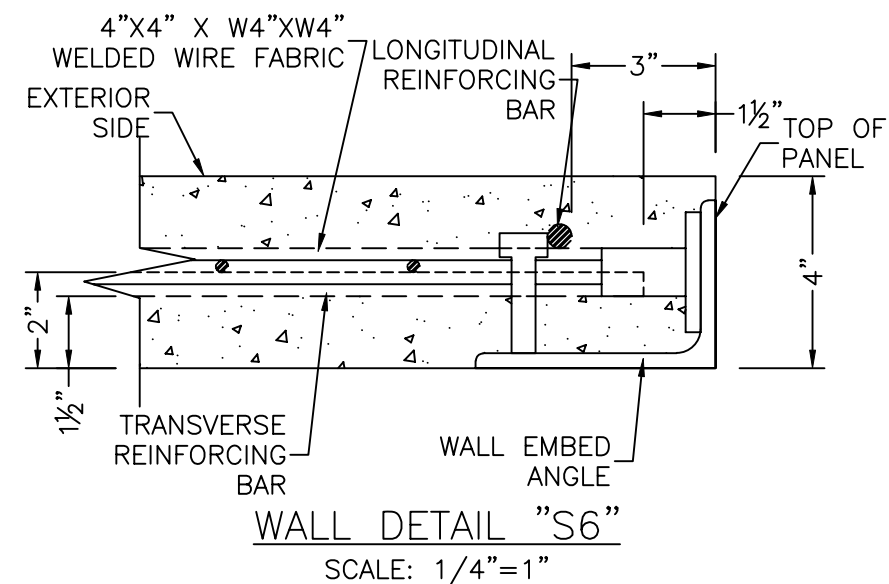
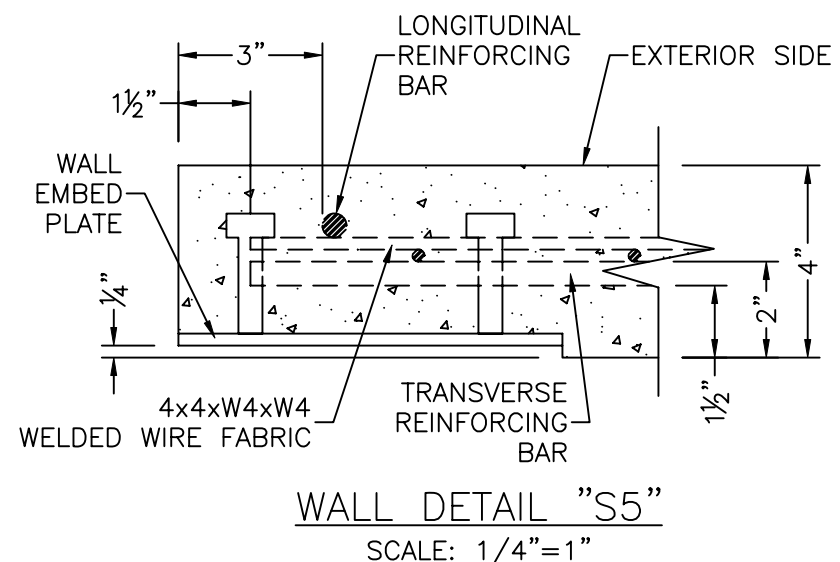
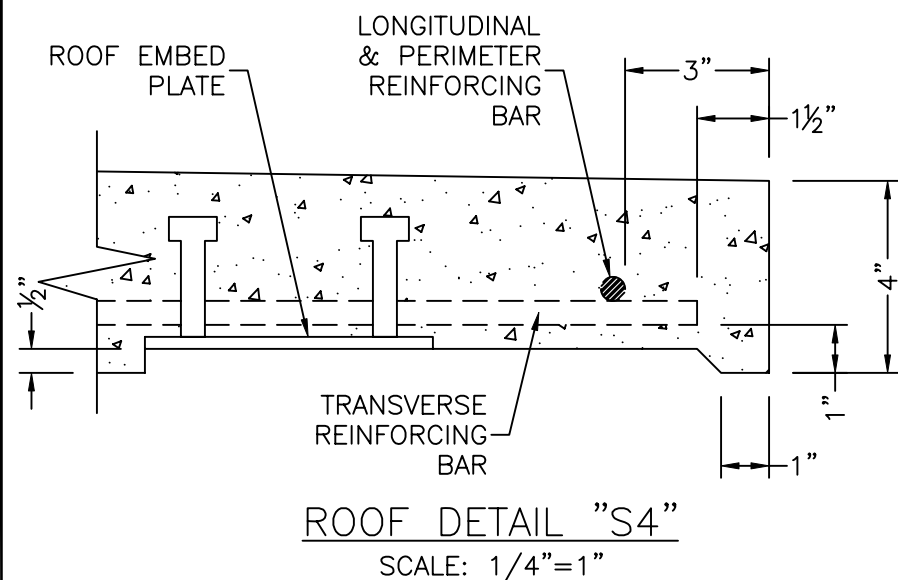
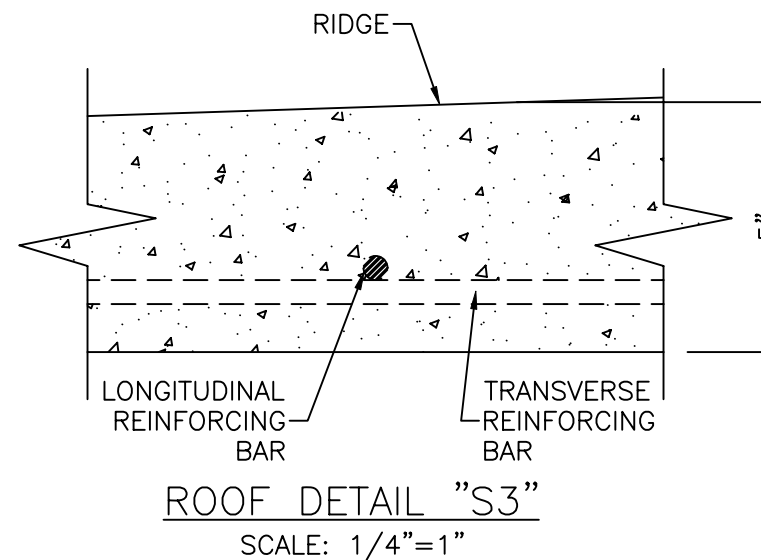
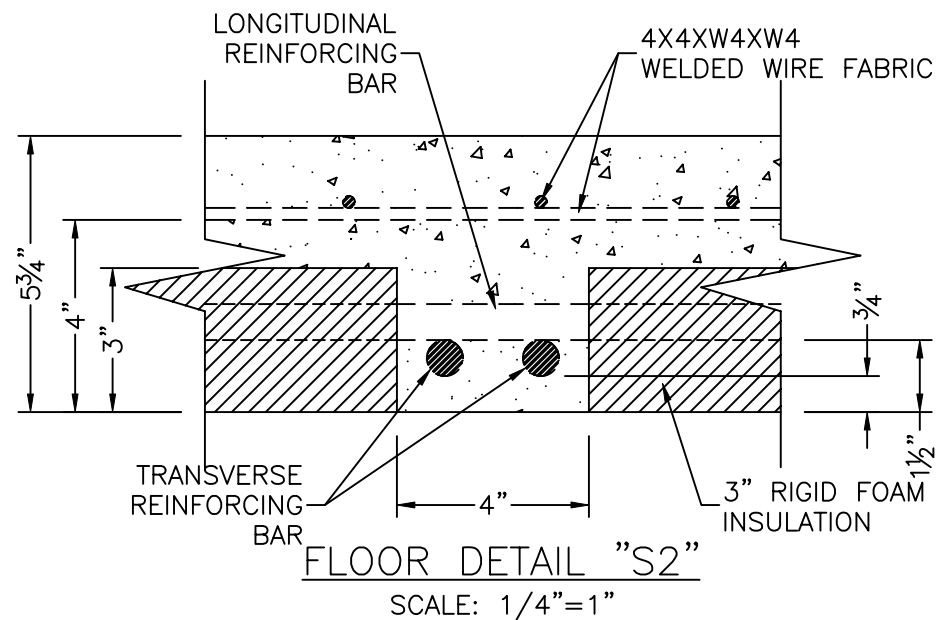
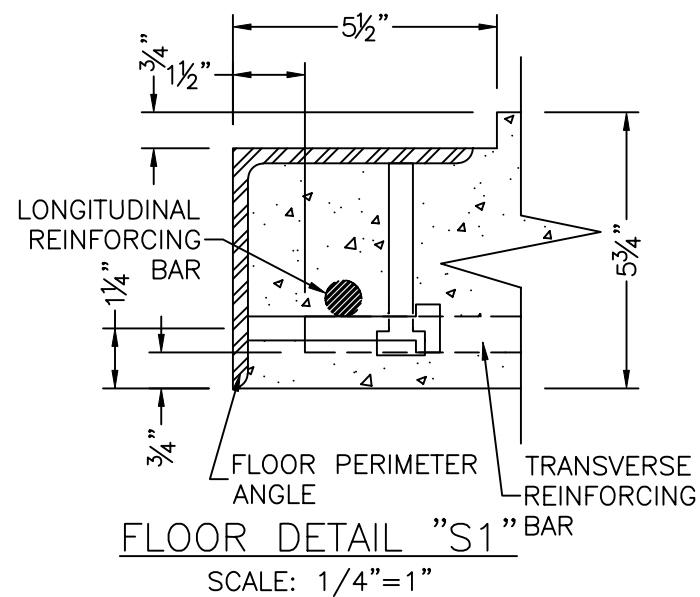
S1-0

DRAWING NO.:

STTL20

T

S	MRC	4/19/02	UPDATED PRINT WITH X-REF	VGH	4/19/02
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



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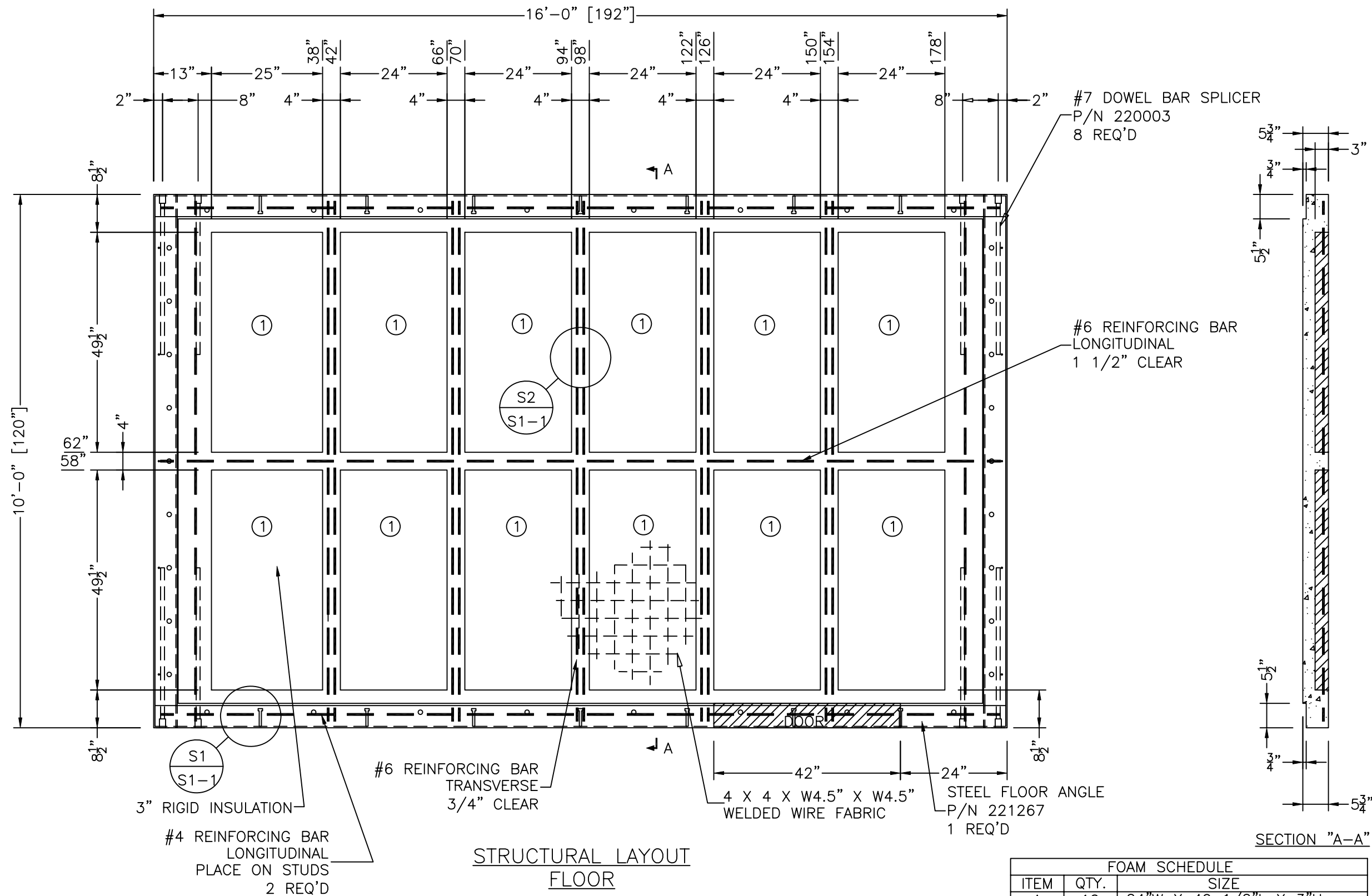
**Cellxion**  
 5031 Hazel Jones Road  
 Bossier City, Louisiana 71111  
 voice: (318) 213-2900  
 fax: (318) 213-2919  
 www.cellxion.com

CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" CONCRETE SHELTER STRUCTURAL DETAILS**

FILENAME: TTL20\TTL20S1-1	
SCALE: NOTED	TOLERANCE:
DRWN. BY: M. CROW	DATE: 12/13/00
CHK. BY: V. HASSELL	DATE: 12/13/00
ENG. BY: K. BARNETT	DATE: 12/13/00
APP. BY: V. HASSELL	DATE: 12/13/00
SHEET NO. S1-1	
DRAWING NO.: STTL20	T

S	MRC	4/19/02	UPDATED PRINT TO DRAWING STANDARDS	VGH	4/19/02
REV	BY	DATE	DESCRIPTION	APP. BY	DATE



#### NOTES:

- PANEL CAST INTERIOR SIDE UP.
- ALL REBAR TO BE GRADE 60 UNLESS OTHERWISE NOTED.
- DIAGONAL DIMENSION = 206 1/2"
- PANEL THICKNESS = 5 3/4"

#### STRUCTURAL LAYOUT FLOOR

1.55 CU. YD.

REBAR SCHEDULE		
QUANTITY	SIZE	LENGTH
1	#6	15'-9"
12	#6	9'-9"
2	#4	15'-9"

FOAM SCHEDULE		
ITEM	QTY.	SIZE
A	12	24"W X 49 1/2"L X 3"H

O	MRC	12/14/00	ADDED & MOVED REBAR AND CHG'D DIM. TEXT	VGH	12/14/00
F	SM	3/7/00	REVISED FLOOR PERIMETER ANGLE	VGH	3/7/00
E	SM	3/1/00	MOVED ONE REINFORCED AREA	VGH	3/1/00
A	GE	11/24/99	ADDED 5 EA. 3'-2 1/2" #6 REBAR FOR BATTERY SUPPORT	MM	11/24/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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Bossier City, Louisiana 71111  
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www.cellxion.com

CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
STRUCTURAL LAYOUT  
FLOOR

FILENAME:

TTL20\TTL20S2-0

SCALE:

1/2" = 1'-0"

TOLERANCE:

DRWN. BY:

S. MARTIN

DATE:

11/19/99

CHK. BY:

V. HASSELL

DATE:

11/19/99

ENG. BY:

K. BARNETT

DATE:

11/19/99

APP. BY:

M. MAYFIELD

DATE:

11/19/99

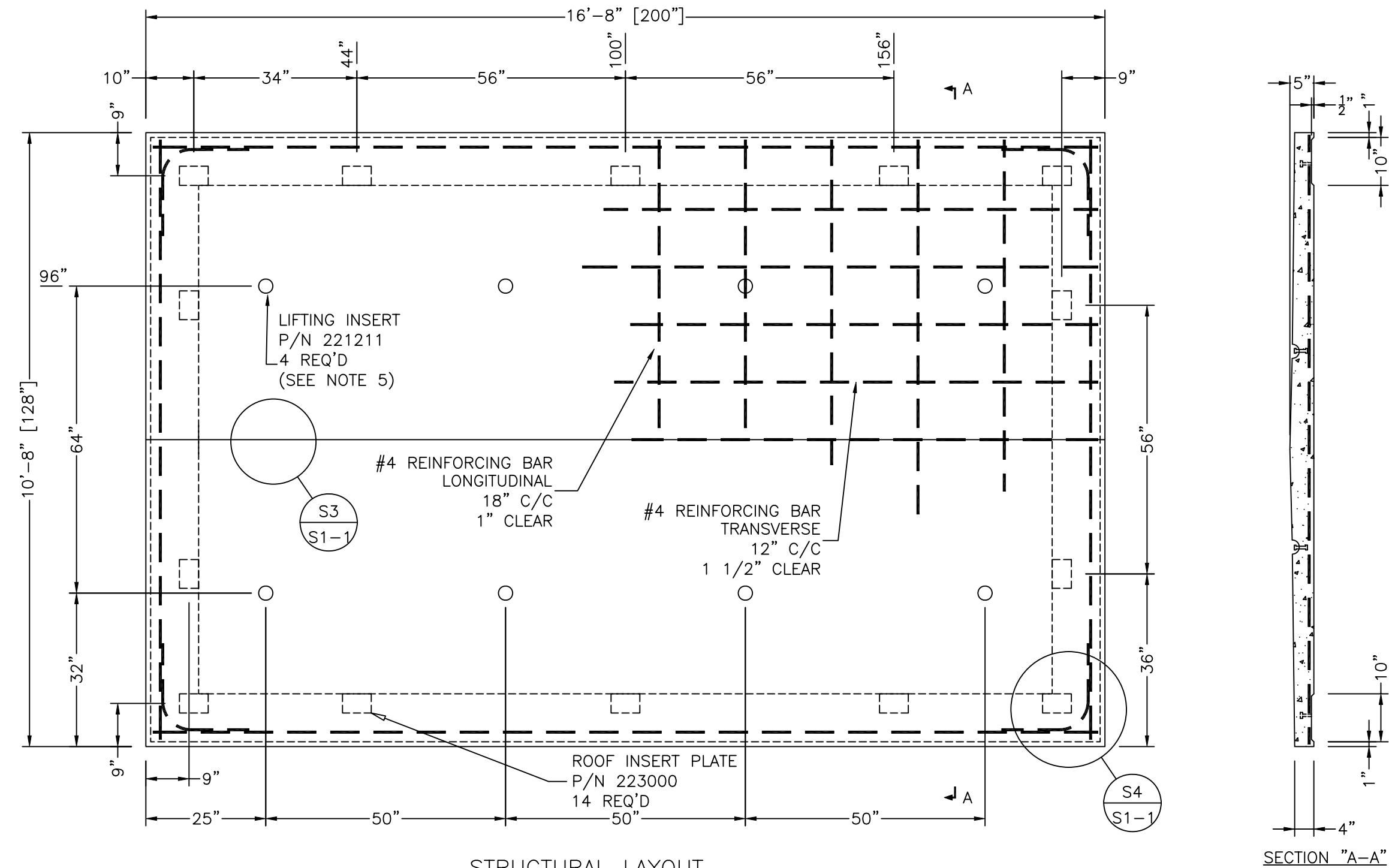
SHEET NO.

S2-0

DRAWING NO.:

STTL20

T



STRUCTURAL LAYOUT  
ROOF  
2.43 CU. YD.

- NOTES:
1. PANEL CAST EXTERIOR SIDE UP.
  2. DIAGONAL DIMENSION = 222 3/4"
  3. ALL REBAR TO BE GRADE 60 UNLESS OTHERWISE NOTED.
  4. PANEL THICKNESS = 4", EAVE, 5" RIDGE.
  5. REFER TO DAYTON SUPERIOR CATALOG FOR PART #D-52-SL

REBAR SCHEDULE		
QUANTITY	SIZE	LENGTH
12	4	16'-5"
11	4	10'-5"
4	4-CORNER	3'-0"

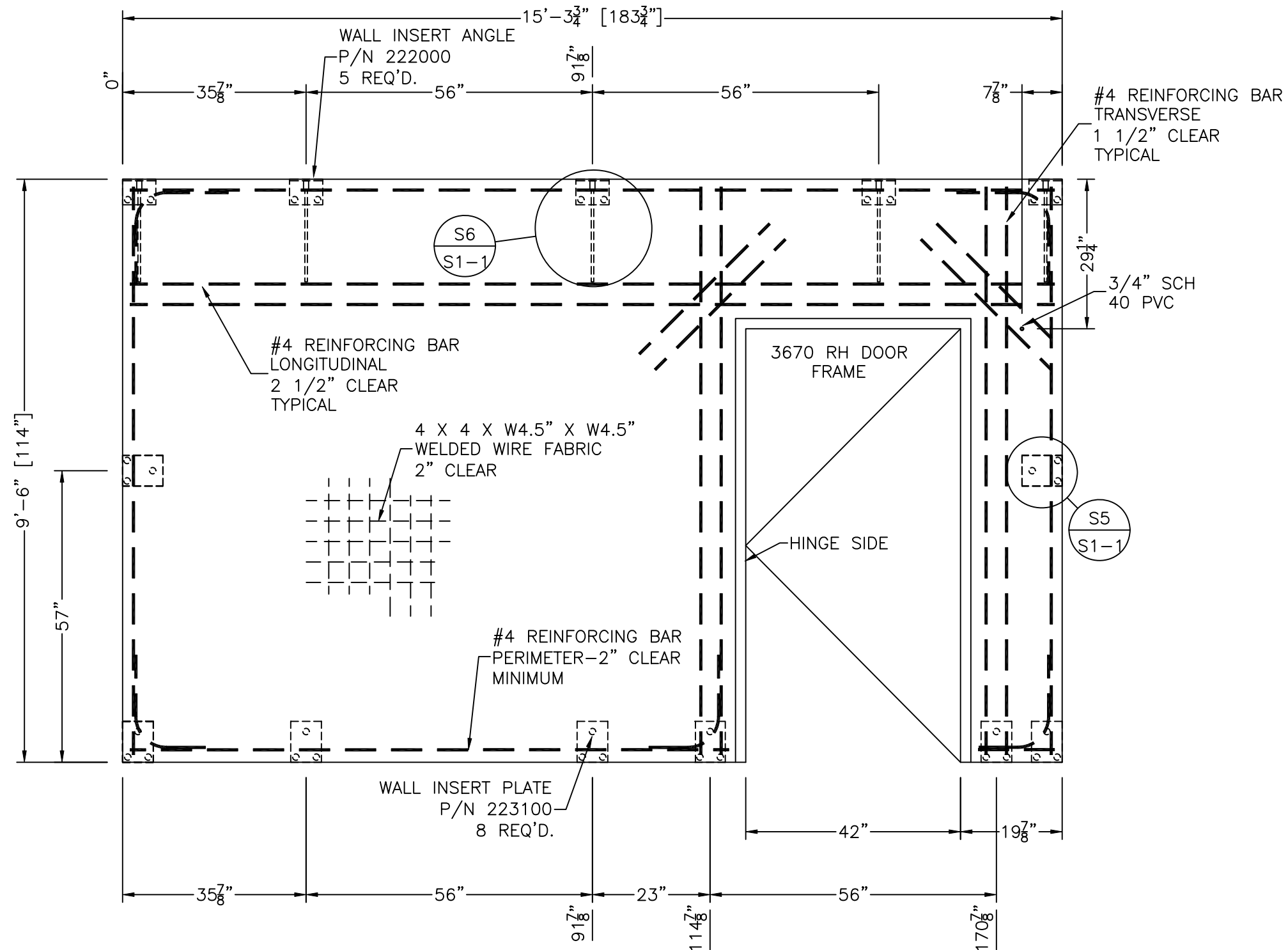
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fax: (318) 213-2919  
www.cellxion.com

CUSTOMER:  
**TRITEL COMMUNICATIONS**

PROJECT:  
**10'-0" X 16'-0" EQUIPMENT SHELTER STRUCTURAL LAYOUT ROOF**

FILENAME: TTL20\TTL20S3-0	
SCALE: 1/2" = 1'-0"	TOLERANCE:
DRWN. BY: S. MARTIN	DATE: 11/19/99
CHK. BY: V. HASSELL	DATE: 11/19/99
ENG. BY: K. BARNETT	DATE: 11/19/99
APP. BY: M. MAYFIELD	DATE: 11/19/99
SHEET NO. S3-0	
DRAWING NO.: STTL20	T



# NOTES:

- PANEL CAST EXTERIOR SIDE UP.
- ALL REBAR TO BE GRADE 60 UNLESS OTHERWISE NOTED.
- DIAGONAL DIMENSION = 196 1/4".
- PANEL THICKNESS = 4.

STRUCTURAL LAYOUT  
SIDE PANEL "A"  
1.49 CU. YD.

REBAR SCHEDULE		
QUANTITY	SIZE	LENGTH
3	#4	15'-0"
6	#4	9'-3"
1	#4	9'-9"
1	#4	1'-3"
5	#4-CORNER	3'-0"

0	MRC	12/14/00	REVISED PRINT: CHG'D DOOR SYBL. & DIM. TEXT	MM	12/14/00
A	GE	11/24/99	CHANGED DOOR HINGE SIDE FROM LEFT TO RIGHT	MM	11/24/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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fax: (318) 213-2919  
www.cellxion.com

CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
STRUCTURAL LAYOUT  
PANEL "A"

FILENAME:

TTL20\TTL20S4-0

SCALE:

1/2" = 1'-0"

TOLERANCE:

DRWN. BY:

S. MARTIN

DATE:

11/20/99

CHK. BY:

V. HASSELL

DATE:

11/20/99

ENG. BY:

K. BARNETT

DATE:

11/20/99

APP. BY:

M. MAYFIELD

DATE:

11/20/99

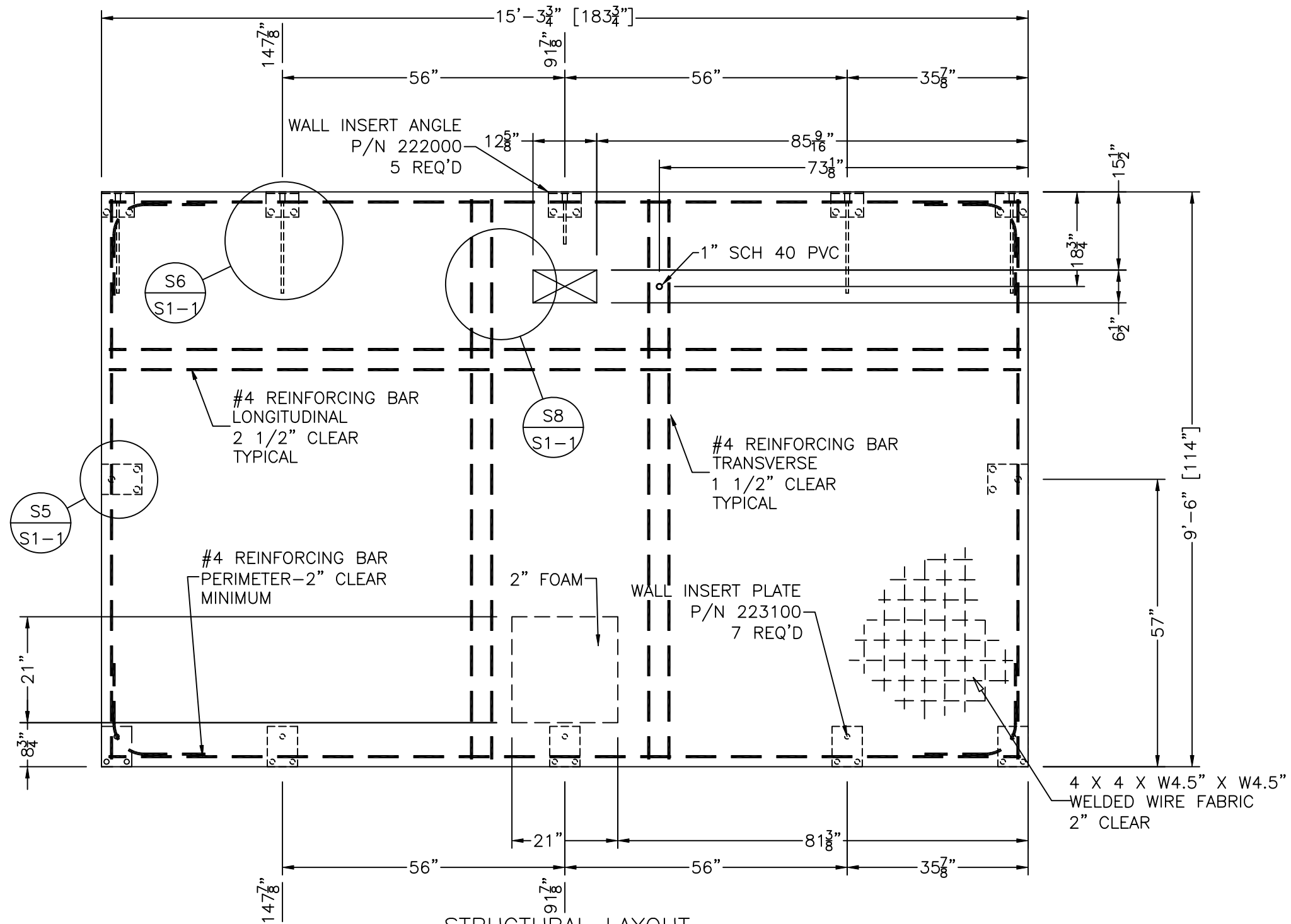
SHEET NO.

S4-0

DRAWING NO.:

STTL20

T



STRUCTURAL LAYOUT  
SIDE PANEL "C"  
1.77 CU. YD

NOTES:

1. PANEL CAST EXTERIOR SIDE UP.
2. ALL REBAR TO BE GRADE 60 UNLESS OTHERWISE NOTED.
3. DIAGONAL DIMENSION = 216 1/4".
4. PANEL THICKNESS = 4".

REBAR SCHEDULE		
QUANTITY	SIZE	LENGTH
4	4	15'-0"
6	4	9'-3"
4	4-CORNER	3'-0"

R	MRC	8/28/01	REVISED PRINT: ADDED WELED WIRE FABRIC	VGH	8/28/01
O	MRC	12/14/00	REVISED PRINT: CUT OFF EMBED & CHG'D DIM. TEXT	VGH	12/14/00
H	GE	4/10/00	REMOVED: ITEM 5 (MICROFLECT WAVEGUIDE) AND NOTE 5;	VGH	4/10/00
			CHG'D.: OPENING WAS 12 1/2" WIDE		
E	SM	3/1/00	REMOVED LOWER ROXTEC BLOCK OUT	VGH	3/1/00
C	SM	2/2/00	ADDED 1" PVC	VGH	2/2/00
B	SM	1/06/00	CHANGES MADE PER REVIEW OF PROTOTYPE BY CUSTOMERS	VGH	1/06/00
A	VGH	12/3/99	REVISED PRINT; CHANGED B/O SIZE	VGH	12/3/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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www.cellxion.com

CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
STRUCTURAL LAYOUT  
PANEL "C"

FILENAME:

TTL20\TTL20S4-1

SCALE:

1/2" = 1'-0"

TOLERANCE:

DRWN. BY:

S. MARTIN

DATE:

11/20/99

CHK. BY:

V. HASSELL

DATE:

11/20/99

ENG. BY:

K. BARNETT

DATE:

11/20/99

APP. BY:

M. MAYFIELD

DATE:

11/20/99

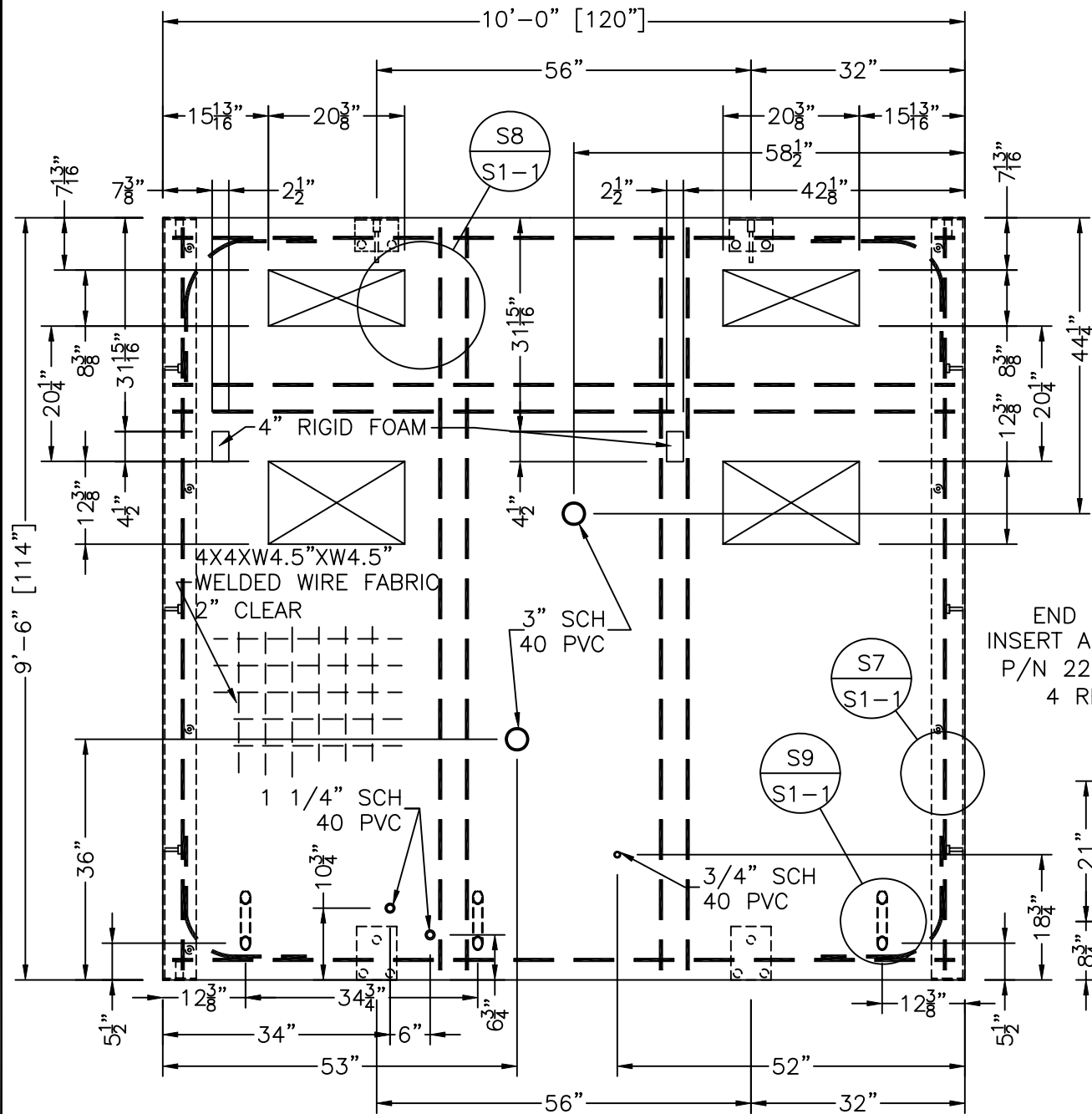
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S4-1

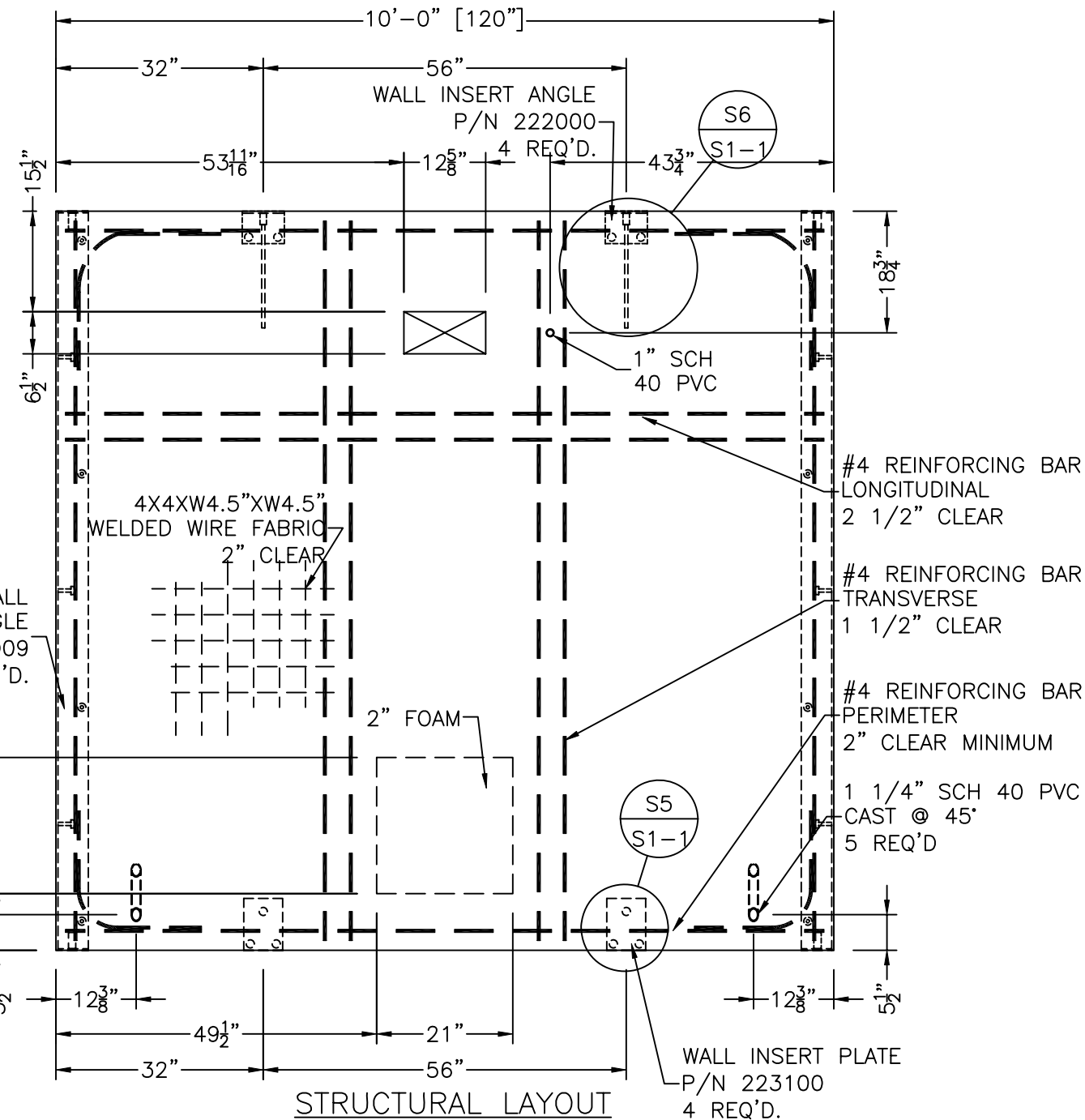
DRAWING NO.:

STTL20

T



STRUCTURAL LAYOUT  
END PANEL "B"  
1.12 CU. YD.



STRUCTURAL LAYOUT  
END PANEL "D"  
1.17 CU. YD.

#### NOTES:

1. END PANEL CAST AGGREGATE SIDE UP.
2. ALL REBAR TO BE GRADE 60 UNLESS OTHERWISE NOTED
3. PANEL THICKNESS = 4"
4. DIAGONAL DIMENSION = 165 1/2"

REBAR SCHEDULE		
QUANTITY	SIZE	LENGTH
8	4	9'-9"
11	4	9'-3"
8	4-CORNER	3'-0"

R	MRC	8/28/01	CORRECTED LONG. REBAR CLEARANCE AND QTY OF 45° PEN.	VGH	8/28/01
O	MRC	12/14/00	REVISED PRINT: CUT EMBEDS & CHG'D DIM. TEXT	VGH	12/14/00
L	CTF	10/18/00	ADDED PENETRATION	VGH	10/18/00
H	GE	4/10/00	REMOVED: ITEM #5 (MICROFLECT WAVEGUIDE) AND NOTE #5; CHG'D: OPENING WAS 12 1/2" WIDE; ADDED: 4" RIGID	VGH	4/10/00
			FOAM FOR A/C		
E	SM	3/1/00	REMOVED LOWER ROXTEC BLOCK OUT	VGH	3/1/00
C	GE	1/27/00	MOVED SERV. ENT.; ADDED 1" PVC; CHG'D 1" PVC TO 1 1/4" PVC	VGH	1/27/00
B	SM	1/06/00	CHANGES MADE PER REVIEW OF PROTOTYPE BY CUSTOMER	VGH	1/06/00
A	VGH	12/9/99	REVISED PRINT; CHANGED B/O SIZE	VGH	12/9/99
REV	BY	DATE	DESCRIPTION	APP. BY	DATE

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CUSTOMER:

TRITEL  
COMMUNICATIONS

PROJECT:

10'-0" X 16'-0"  
EQUIPMENT SHELTER  
STRUCTURAL LAYOUT  
PANELS "B & D"

FILENAME:

TTL20\TTL20S4-2

SCALE:

1/2" = 1'-0"

TOLERANCE:

DRWN. BY:

S. MARTIN

DATE:

11/20/99

CHK. BY:

V. HASSELL

DATE:

11/20/99

ENG. BY:

K. BARNETT

DATE:

11/20/99

APP. BY:

M. MAYFIELD

DATE:

11/20/99

SHEET NO.

S4-2

DRAWING NO.:

STTL20

T